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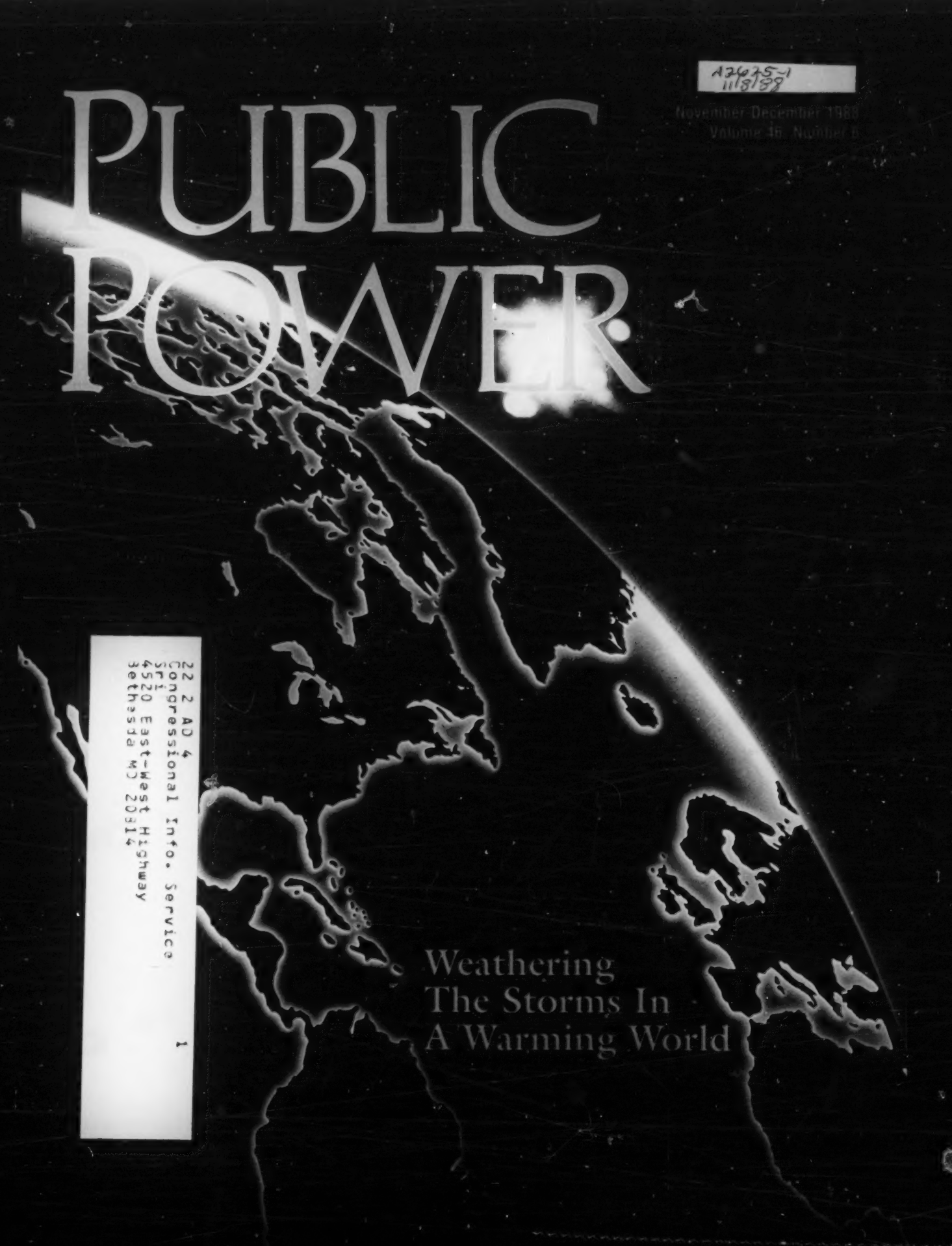

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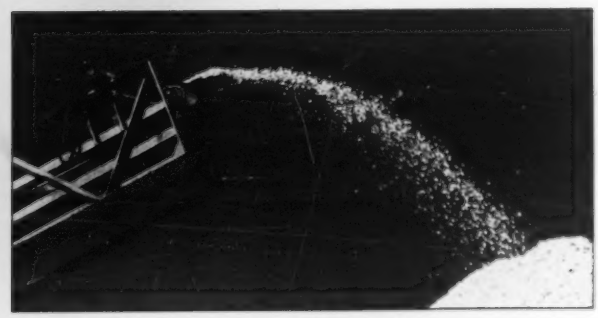
Cover: Has the warming begun? Article beginning on page 14. *Photograph by Imtek Imagineering/Masterfile.*

Looking up for savings. See page 32.



A renewable with vast unrealized potential. See page 36.

Hot dark days in Seattle. See page 44.

FEATURES

14 Weathering The Storms In A Warming World ..... *by Irving Mintzer*
Mild winters, scorching hot summers and endless headlines about the greenhouse effect: what do they mean for public power systems?

22 Lincoln's Power Sage: An Optimist For Our Time
Electric utilities are entering an era of declining costs, a factor that enables them to confront problems in a positive way, says the president of the American Public Power Association.

24 Efficiency: Defense Against The Long Hot Summer ..... *by James L. Wolf*
Achievement of energy savings derived from greater efficiency will hinge on utility initiatives.

32 Lighting City Hall ..... *by Jill Kunka*
A lighting retrofit program in Springfield, Ill., nets savings of $40,000 a year and has a payback of less than five years.

36 Wood: Power For The Future ..... *by David C. Rinebolt*
Wood energy has not lost its charm or its promise.

44 Blackout In Seattle ..... *by Jeannine Anderson*
The outage that started on the last day of August lasted for four days and hit the heart of Seattle's business district.

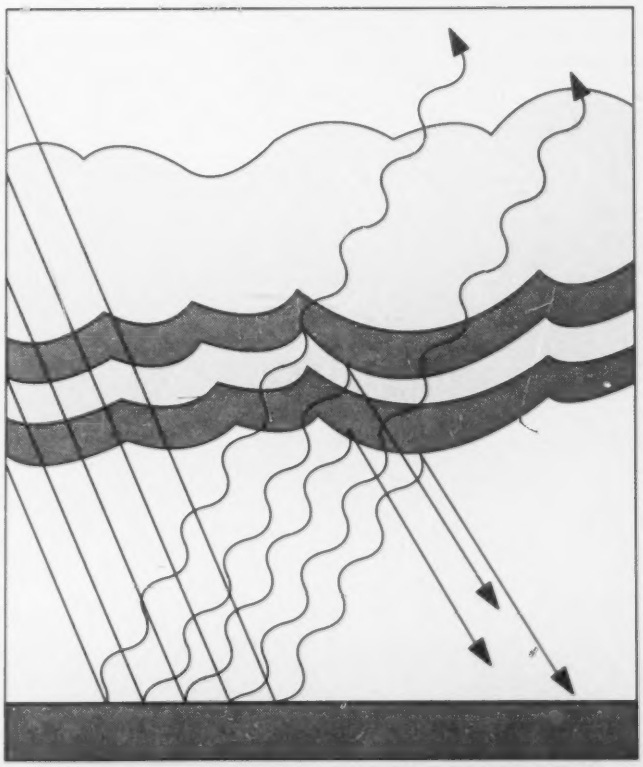
48 Performance Management ..... *by Bob Sherron*
Utilities need to take a systematic approach to improving organizational performance.

DEPARTMENTS

6 Something To Think About
8 Chronicle
50 Innovations
53 Monograph
56 Omega

Weathering The Storms In A Warming World

by Dr. Irving Mintzer



Looking out their windows during the last two years, many public power customers felt sure there was something weird about the weather. Trumpeted by headlines in newspapers and magazines, episodes of unusual and extreme weather were reported around the country. Last year Americans experienced the warmest winter in a generation in the upper Great Plains. This summer, when the jet stream divided in an unexpected way over the Midwest, hot, dry weather baked the region, burning up corn and soybeans. At the same time, a near-record string of 21 days with temperatures above 90 F struck Washington, D.C., slowing government bureaucracies to a crawl. By late August, near droughts in Wyoming, Idaho, Montana and California, had produced ideal conditions for forest fires. Subsequent fires, started in some cases by lightning and in others by careless campers, destroyed large areas of parkland in three states. In early September, the "storm of the century" swept across the Caribbean and slammed into south Texas and Mexico.

Similar events struck with catastrophic results in other countries during the same period. In 1987, a heat wave killed 1,200 people in Greece. In 1988, heat waves and a late monsoon led to hundreds of deaths in India. This spring drought struck again in South and East China. In the Sudan, two years of drought ended in August when one year's worth of rainfall fell in three days, leaving 1.5 million people homeless. In September, the worst flood of the century inundated Bangladesh, causing billions of dollars worth of damage.

No one really knows why such events occur or where they will strike next. Lately, however, much scientific attention has focused on the question of whether human-induced changes to our atmosphere could alter global climate and increase the frequency of these natural disasters.

Scientists now know that certain industrial and agricultural activities, including the burning of fossil fuels and the clearing of lands for pastures, release pollutants that alter the heat

balance in the atmosphere. The principal pollutants, called greenhouse gases, include carbon dioxide (CO_2), methane (CH_4 or natural gas), nitrous oxide (N_2O or "laughing gas"), and the chlorofluorocarbons (CFCs or "Freons"). All are transparent to incoming solar energy but absorb the infrared energy released by the Earth's surface. These trace gases are present in the atmosphere in only minute quantities (from less than one part per billion in air for the CFCs to a few hundred parts per million for CO_2). Nonetheless, they can trap substantial quantities of heat close to the plant's surface and warm the atmosphere.

This "heat trap" effect has not always been a problem for our planet. In fact the natural greenhouse effect, due to background concentrations of CO_2 and water vapor (H_2O), was essential to the evolution of life as we know it. In prehistoric times, these background concentrations warmed Earth's surface by about 55 F, from about 0 F to the preindustrial average of about 55 F. This warming effect allowed water to exist at the surface as a liquid, rather than as ice, and thus created conditions where the rich biochemistry of modern life could develop.

Only in the last century has the greenhouse effect of the last two million years become today's greenhouse problem. The continuing buildup of greenhouse gases is altering the composition and behavior of the atmosphere.

Has The Warming Begun?

A recent analysis of more than 120,000 temperature measurements indicates the planet has already warmed by about 1 to 1.4 F during the last 100 years. Computer models of greenhouse gas emissions during this period, however, suggest that the full effect of past emissions has not yet been felt. The ocean, with its large thermal mass, acts like a flywheel in the planet's climate system. The ocean's ability to absorb heat introduces a lag between the time that greenhouse gases are emitted and the date when the increased temperature can be measured. When the full effects of emissions prior to 1980 can be measured (perhaps by the year 2000), current computer models project that the Earth's average temperatures will have increased by 1.5 to 4.0 F, relative to the preindustrial era.

The warming of the Earth due to these past emissions cannot now be avoided. Over a few decades, this warming will change the planet's average temperature and alter regional climates at a pace not experienced for millennia. For comparison, a warming of just 4 F will make the Earth warmer than at any time since the beginning of written human history. Of course, this does not mean that humans cannot survive such a climate change; it just means that we cannot look back and learn from historical records about the successful (or unsuccessful) adaptations of our ancestors.

But future warming will not be limited to the effects of past emissions. Choices made today about energy policy, utility operations, land use and agriculture will affect the rate of future greenhouse gas emissions. These in turn will determine the timing and severity of future global warming. And because we share our one atmosphere with neighbors the world around, not only American choices, but those made in Western Europe, Japan, the Soviet Union, China and other developing countries will affect the rate of future warming.

If current trends in the greenhouse gas emissions continue, the planet will warm by an additional 1.5 to 5 F by 2030, relative to 1980. This represents a total warming of 3 to 9 F above the pre-industrial level.

The activities that produce greenhouse gases also emit the pollutants that lead to ground-level air pollution and acid deposition. Electric utilities will have to cope with society's simultaneous (or worse, serial) responses to all three problems.

Impacts Of A Global Warming

The long-term effects of the greenhouse gas buildup will be complex and pervasive. Most scientific analysis of these impacts is benchmarked to a warming of 3 to 9 F. Due to the melting of small, landed glaciers and the thermal expansion of ocean water, such a warming will cause global sea levels to rise by about one to four feet. This rise will cause coastal inundation in low-lying areas as well as saltwater intrusion into aquifers and river systems.

It will change the temperature gradient between the poles and the equator. The greenhouse warming at high latitudes is expected to be two to three times the global average, while the warming in the tropics will be only 50 to 75 percent of the global average. As a result of this shift in the Earth's temperature gradient, the traditional regional patterns of winds, rains and ocean currents will shift. Although total rainfall around the globe will increase slightly, mid-continent, mid-latitude areas (like the U.S. Midwest, the Soviet grain belt, and the prime agricultural areas of China) are likely to become hot and drier, especially in summer.

In addition, many scientists expect the frequency and severity of extreme weather events to increase. The 50-year flood in many areas may become the 20-year flood. The 100-year storm may become the 50-year storm. And the probability of long stretches of dry, hot weather (and cold, wet weather) is likely to increase. Although the unusual weather of the last two years is not necessarily due to the greenhouse problem, it is representative of the very kinds of

events that are likely to occur with increasing frequency as the world warms.

Implications for Electric Utilities

The impact of a greenhouse warming on electric utilities will be profound. On the demand side, as traditional patterns of regional climate shift, the difficulty of accurately predicting the patterns of future weather-related load will increase. Some high probability impacts can, however, be identified today. More hot, dry weather in the United States will mean increased summer air conditioning loads. It will probably also increase demands for agricultural pumping to protect crops from drought.

Winter-peaking utilities also may confront increased risk of capacity shortage. If the frequency of extended cold snaps and blizzards increase with global warming, it may cause more high demand episodes in winter. More severe winter storms may cause an increase in customer outages due to downed power lines and other failures of the distribution system.

On the supply side, the effects will be equally important but may be more indirect. Long periods of warm summer weather may cause air pollution episodes that require regulatory authorities to limit utility dispatch strategies. Such episodes caused southern California authorities to require fuel-switching by utility generators last summer.

Droughts also may affect utility supply options. Changes in streamflow patterns adversely affected the operations of several nuclear and coal generating stations last summer. In one case, high input water temperatures threatened to close a nuclear station because the water temperature would have exceeded the design limits for the plant's emergency core cooling system. In other cases, low streamflows meant reduced volumes of cooling water available to the nuclear stations. Operating the plants in these conditions threatened downstream aquatic life—in one case from excessively high outlet water temperatures and in another from insufficient flow to support critical habitat areas explicitly protected by the terms of the plant operating license. These latter types of problems could in the future afflict coal plants as well as nuclear stations.

Painful Linkages

Unfortunately, the situation is likely to be substantially worse than this sketchy description suggests. At the same time that societies and ecosystems are struggling to adapt to the impacts of climatic change, other, equally different stresses must be confronted. The same greenhouse gases that lead to global warming and climatic change also increase the risk of stratospheric ozone depletion. The activities that produce greenhouse gases also emit the pollutants that lead to ground-level air pollution and acid deposition. Electric utilities will have to cope with society's simultaneous (or worse, serial) responses to all three problems.

Even if we could afford to pay for them, on the time horizon of interest to policy, it is unlikely that nuclear generating stations, with their 10-year lead times, could be built in America fast enough to reduce the rate of U.S. greenhouse gas emissions.

The problems of global climate change, ozone depletion and ground-level air pollution are linked at several levels. These problems are linked economically because the same economically important activities generate the pollutants that cause all three problems. They are linked chemically because the pollutants interact in the atmosphere, often in complicated and synergistic ways. And they are linked at the policy level because policy choices made to reduce or mitigate any one of these problems will unavoidably affect the other two.

The last element is the most important for utility planning. Unfortunately, its implications are most often overlooked. For example, flue gas desulfurization devices (popularly known as scrubbers) are designed to reduce stack gas emissions of SO_2. Depending on the region, use of these devices may ultimately reduce acid rain damage. However, because they reduce the efficiency of coal-burning power plants, scrubbers are likely to increase emissions of both CO_2 and N_2O. As a result, unless electricity demands on the affected power plants are reduced, installation of scrubbers will increase the risk of both global warming and ozone depletion.

The damages from stratospheric ozone depletion will be largely due to the resulting increases in harmful ultraviolet radiation. Exposure to this radiation will endanger human health and reduce the productivity of forests, fisheries, and agricultural areas. The most important human health effects will likely include increased frequency of skin cancer, eye cataracts, and diseases of the human immune system.

The impacts of ground-level air pollution and acid deposition will include reduced forest and crop yields, damage to streams and lakes, and rapid degradation of polymeric materials. In addition, the buildup of oxidants and particulates is likely to increase the damage to human respiratory systems.

The timing and severity of all three problems will be determined largely by the energy policy choices implemented over the next several decades. If national governments (and electric utilities) choose energy supply strategies that increase the use of coal, ignore opportunities to improve energy efficiency, and reduce sulfate emissions while increasing other pollutant releases, we will accelerate the onset of

global warming due to the greenhouse effect. In one recent study conducted at the World Resources Institute in Washington, a computer simulation of the effects of various policy options indicated that a high-coal, high-energy strategy could push up the timetable of the 3 to 9 F warming now expected in 2030 to 2010 or 2015. By contrast, a policy strategy that emphasized increased energy efficiency, reduced use of coal, and limits on tropical deforestation could postpone the 3 to 9 F warming out well beyond 2075.

Can A Catastrophe Be Avoided?

The global climate is changing. Past and present emissions assure that it will continue to change. At a 1985 meeting on future climate change jointly sponsored by the United Nations Environment Program, the World Meteorological Organization, and the International Council of Scientific Unions, 80 scientists from 29 countries issued an unusual warning:

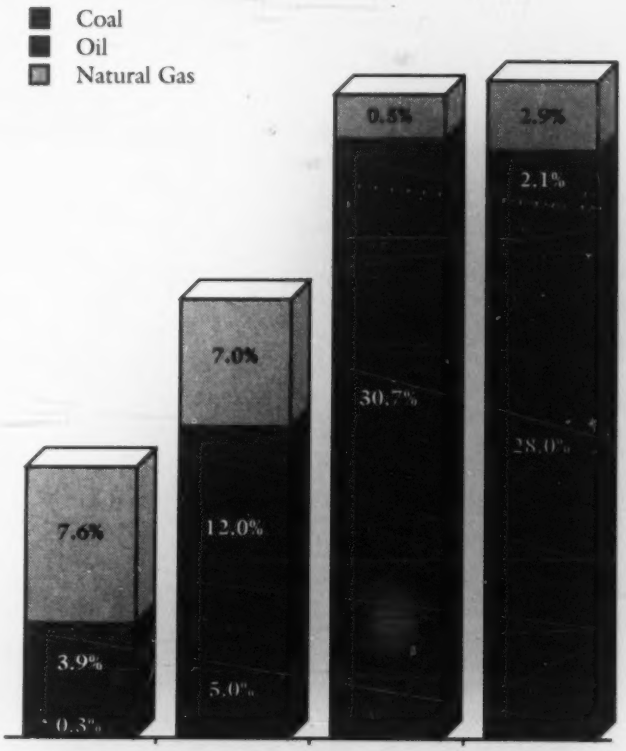
Many important economic and social decisions on irrigation, hydro power, agriculture, structural design, and energy planning are being made today based on assumptions about future climate and sea level rise. Most such decisions assume that past climate is a reliable guide to the future. This is no longer a good assumption.

The challenge for utility planners and government policy analysts is to choose strategies that can slow the rate of climate change while preserving the prospects for economic growth. Slowing the rate of climate change will buy time—time desperately needed to develop adaptive responses to those climatic changes that can no longer be avoided. If this opportunity to develop resilient and robust responses is exploited, the disruption and dislocation caused by future climate changes can be minimized.

From a public policy standpoint, there are four essential elements of any successful national strategy to reduce the risks of rapid global climate change. The first, and most important, element is to increase the efficiency of energy use, squeezing the most useful work out of every pound of coal or barrel of oil we burn. Second, we must reduce the biotic contribution to greenhouse gas emissions by slowing the rate of tropical deforestation. Third, the use of the most dangerous chlorofluorocarbons must be eliminated. And fourth, especially in industrial countries, we must shift the mix of fuels from carbon-intensive fuels like coal to less carbon-intensive fuels like natural gas. Ultimately, of course, we must build our energy economy on sources like solar, wind, biomass, hydro, and nuclear power—which have little or no net emissions of CO_2.

Utilities play an important role in this equation. The United States emitted about 28 percent of the CO_2 released worldwide from fossil fuel combustion. U.S. electric utilities were the source of about one-third of the U.S. emissions. Many technical and policy options now exist for reducing those emissions. The most attractive are those that have multiple benefits, that can reduce the risk of global warming at the same time that they reduce the risk of ozone depletion and acid rain.

CARBON DIOXIDE EMISSIONS IN THE U.S. USERS AND FUELS



*Source: Dr. James MacKenzie, World Resources Institute

Increased Efficiency Is Key

The key for industrial countries is to increase the efficiency of energy use, especially electricity. Utilities can be absolutely pivotal to these efforts. But achieving them may require that utilities change the view they take of their own role.

Improving energy efficiency is the cheapest, safest, and fastest way for utilities to increase the level of energy services provided to customers. As many utilities from California to Maine have discovered, it is cheaper to avoid adding a kilowatt of new capacity than to build one. Through energy audits, appliance rebates, free distribution of high-efficiency lightbulbs, and other demand-side programs, U.S. utilities are reduc-

ing the rate of growth in electric energy demand. These efforts must be expanded and enhanced. To encourage these efforts, state utility regulators should treat investments in energy efficiency just like any other investment that is used and useful. Utilities must be allowed to include such investments in their rate base.

In addition, state regulators should encourage active conservation programs by offering preferential rate-of-return treatment for utilities that make a good-faith effort to maximize the efficiency of energy use in their service territory. On the other hand, regulators should refuse to approve applications for any new generating capacity until a utility has demonstrated that it has already made all the available cost-effective investments in efficiency improvements.

Improving efficiency is necessary but not sufficient to reduce the risk of future global warming. Even with maximum feasible investments in energy efficiency, as plants wear out, some new capacity will be necessary. It is important that utilities aggressively pursue the supply-side options that can reduce future emissions of greenhouse gases.

In evaluating these options it is important to note that not all fossil fuels contribute equally to this problem. Burning oil releases about 50 percent more CO_2 per unit of heat supplied than does burning natural gas. Burning coal in a conventional steam turbine releases about twice as much CO_2 per unit of energy as does natural gas. Burning synthetic fuels derived from coal releases still greater quantities of CO_2. (See table.)

But the important technological opportunities on the supply side go beyond fuel switching. Conventional combustion technologies including coal-, oil-, and nuclear-fired steam turbines all operate at about 33 percent efficiency. Conventional gas turbines perform in the same range. Advanced combustion systems offer significant performance improvements. Integrated gasification and combined cycle systems offer the promise of conversion efficiencies in the range of 40 percent.

Aeroderivative gas turbines including steam-injected gas turbines and inter-cooled, steam-injected turbines promise both low cost (less than $500 per kw) and high efficiency (greater than 45 percent). This performance can be achieved in small, modular units of 10 MW to 100 MW. Commercial-scale demonstrations of these devices within the operating environment of an integrated electric utility could prove critical to reducing future greenhouse gas emissions and to opening a new export market for U.S. industry.

CARBON DIOXIDE EMISSIONS FROM DIRECT COMBUSTION OF VARIOUS FUELS

Fuel	CO_2 Emission Rate (kg C/10^9J)	Ratio Relative to Methane
Methane	13.5	1
Ethane	15.5	1.15
Propane	16.3	1.21
Butane	16.8	1.24
Gasoline	18.9	1.40
Diesel Oil	19.7	1.46
No.6 Fuel Oil	20.0	1.48
Bituminous Coal	23.8	1.73
Subituminous Coal	25.3	1.87

Source: Dr. Gordon MacDonald, MITRE Corp.

Light-Water Reactors: The Solution?

The need to reduce CO_2 emissions has led many to suggest that nuclear power is the solution to the greenhouse problem. Conventional light water reactor technology unfortunately brings with it environmental risks that, compared with the problems of a greenhouse warming, are every bit as difficult to control and equally long-lasting. Although light water reactors are likely to play a continuing role in the global energy economy for many decades, it is unlikely that these machines will (or could) make a major contribution to solving the greenhouse problem. Because of their cost, it is unlikely that new nuclear plants could reduce future emissions at anywhere close to the price of energy saved from improvements in energy efficiency. Even if we could afford to pay for them, it is unlikely that nuclear generating stations, with their 10-year lead times, could be built in America fast enough to reduce the rate of U.S. greenhouse gas emissions. If the network of light water reactors could be expanded fast enough to reduce significantly the rate of future greenhouse gas emissions, the social challenges of operating the system safely would remain overwhelming. The combined management challenges of ensuring perfect performance by human operators and protecting society from the diversion of radioactive material by terrorist groups make a rapid expansion of nuclear power pretty dicey.

The Way Out

Fortunately, it is not necessary to depend on nuclear power to avoid the dangers of rapid climate change. By aggressively pursuing energy efficiency, limiting tropical deforestation, eliminating the most dangerous CFCs, and shifting back in the United States toward increased use of natural gas and renewables, we can buy time for ourselves and our neighbors around the globe. As the world warms during the coming decades, we can, if we choose, develop adaptive responses to the unavoidable aspects of global warming. Reducing the risks to an acceptable level on a global scale will require international cooperation and technology transfer in an unprecendented scale.

Unfortunately, or fortuitously, we have only one atmosphere. To preserve its integrity for our grandchildren will require a new way of thinking by politicians, scientists and utility officials. Time is running short. But, to a large extent, our fate is in our own hands. ❑

Dr. Mintzer is senior associate in energy and climate at the World Resources Institute in Washington, a nonprofit organization devoted to research on global environmental issues.

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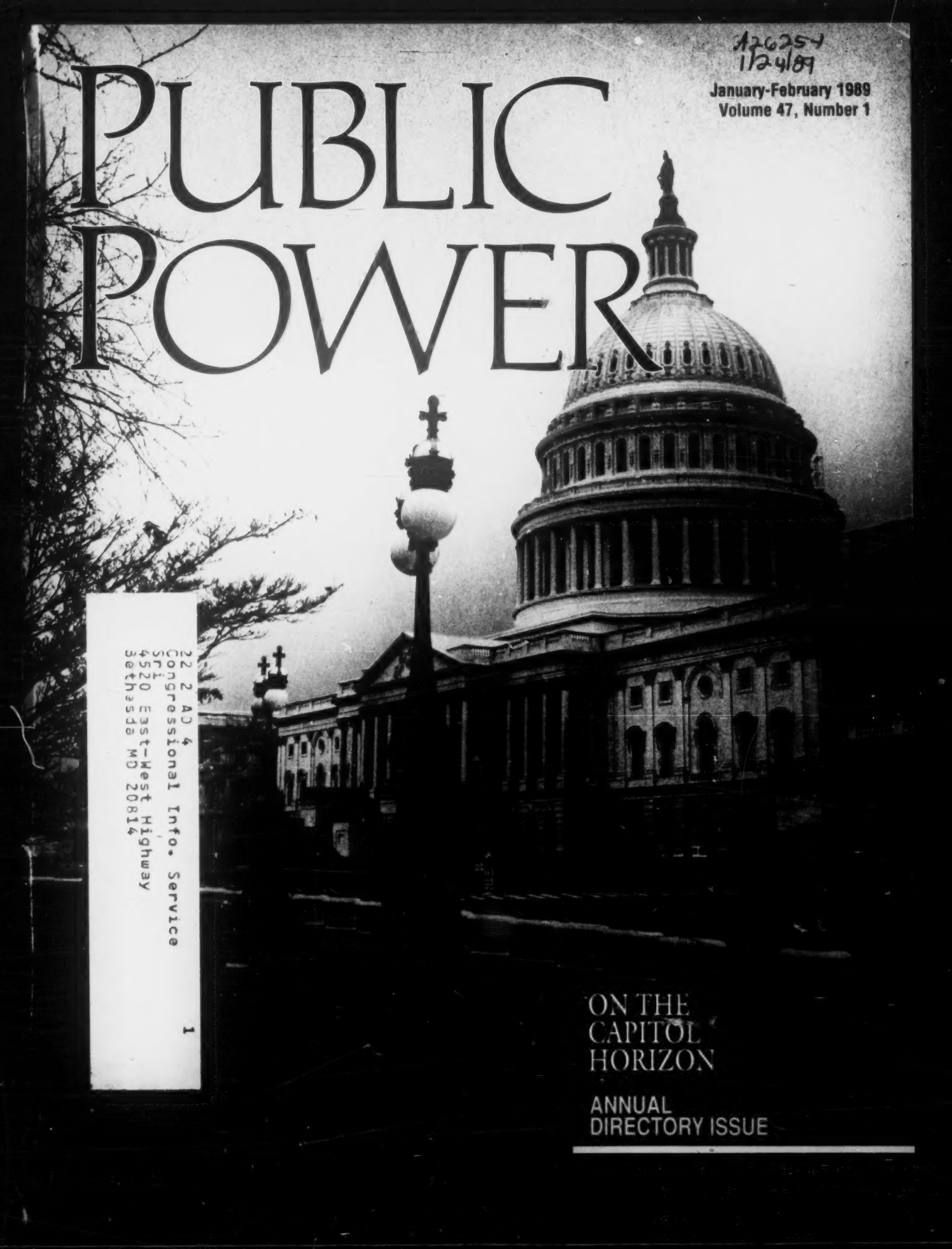

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RONALD W. BOLES, *board chairman*, Huntsville Utilities, Huntsville, Ala.

WALTER A. CANNEY†, *administrator*, Lincoln Electric System, Lincoln, Neb.

DON COLLETTE, *general manager*, McMinnville, Tenn., Electric System

GERALD COPP†, *manager*, Public Utility District No. 1 of Chelan County, Wenatchee, Wash.

E. LEON DAGGETT, *director of utilities*, Hamilton!, Ohio

R. HARRY DAWSON†, *general manager*, Oklahoma Municipal Power Authority, Edmond, Okla.

JOE EXUM†, *general manager*, Jackson, Tenn., Utility Division

ERNEST GEDDES, *general manager*, Turlock, Calif., Irrigation District

GILBERT E. HANSON JR., *general manager*, Kansas Municipal Energy Agency, Mission, Kan.

RANDALL W. HARDY, *superintendent*, Seattle, Wash., City Light

TOM HELLER, *general manager*, Moorhead, Minn., Public Service Department

RICHARD HORKINS, *chairman*, Toronto Hydro Electric System, Toronto, Ontario

EDWIN C. HOSKINS, *general manager*, Knoxville, Tenn., Utilities Board

ROY KASER, *manager*, Crawfordsville, Ind., Electric Light and Power

DICK KIRKHAM[1], *executive director*, Minnesota Municipal Utilities Associaton, Buffalo, Minn.

STEVE LOVELAND, *general manager*, Springfield, Ore., Utility Board

ROYCE LYLES, *managing director*, Jacksonville, Fla., Electric Authority

WILLIAM C. MESCHER†, *president*, Santee Cooper, Moncks Corner, S.C.

TIM MORAWSKI†, *general manager*, Board of Public Works, Holland, Mich.

BOB NELSON, *utilities director*, Denton, Texas, Electric Light & Power

NORMAN NICHOLS†, *assistant general manager*, Department of Water & Power, Los Angeles, Calif.

REECE D. NIELSEN, *chairman*, board of directors, Intermountain Power Agency, Hyrum, Utah

LARRY PAPASAN, *president*, Memphis, Tenn., Light, Gas and Water Division

DAVE PENN, *general manager*, Wisconsin Public Power Inc. System, Sun Prairie, Wis.

C.M. PERKINS†, *assistant general manager/ financial services*, Salt River Project, Phoenix, Ariz.

HOWARD RICHMAN[2], *commissioner*, Cowlitz County PUD #1, Longview, Wash.

CHARLES F. ROSSOLL, *chief engineer/ assistant general manager*, Department of Public Utilities, Norwich, Conn.

ROBERT ROUNDTREE†, *general manager*, City Utilities, Springfield, Mo.

DON E. SCHAUFELBERGER, *president and chief executive officer*, Nebraska Public Power District, Columbus, Neb.

E.C. SHREVE JR., *executive vice president*, Florida Municipal Electric Association, Tallahassee, Fla.

DONALD L. STOKLEY†, *president and general manager*, Municipal Electric Authority of Georgia, Atlanta, Ga.

WILLIAM G. TOBIN, *manager*, Rock Rapids, Iowa, Utilities

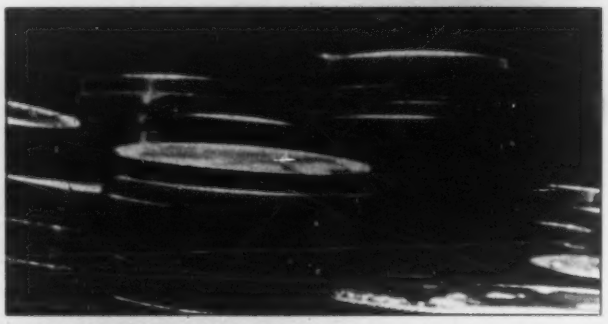
ROBERT VAISEY, *general manager*, Fairport, N.Y., Municipal Commission

† Executive Committee member
[1] Represents Advisory Committee
[2] Represents Policy Boards Advisory Council

PUBLIC POWER

January-February 1989
Volume 47, Number 1

Cover: A change in Senate leadership could mean enactment of acid rain legislation before 1990. See page 12.
Photograph by Robert Burke
Tinting by Nick Spencer



Permanent ironcald trust funds are too tempting to remain permanent. **See page 22.**

It was fun and educational.
See page 34.

Every customer contact is an opportunity to make a friend.
See page 38.

FEATURES

12 On The Capital Horizon ..... *by Deborah Sliz*
A look at what the Bush administration and the 101st Congress will mean for public power.

16 Forecasting Oil Prices Into The 1990s ..... *by Arnold Nadler*
Oil price changes are not as unpredictable as they may appear.

22 Disappearing Trust Funds ..... *by Deborah Nuttall*
Many see the sale of a city-owned electric utility as a quick fix to local budget problems. It is really quite the opposite.

28 The New Californians ..... *by Jill Kunka*
Communities in northern California are taking charge of their electric service.

30 There Is Only One Jim Simpson ..... *by Jill Kunka*
Starting a new public power system in northern California means battling one of the nation's largest and most powerful private utilities. Jim Simpson has what it takes to accomplish the feat.

34 Celebrate! ..... *by Madalyn Cafruny*
Beauty queens, governors, babies and school children participated in local observances of Public Power Week nationwide.

38 Making Friends In Chattanooga ..... *by H. Jack Loveless Jr.*
Employees of the Electric Power Board know their customers have the right to expect a high level of service.

42 The Neighborly Touch ..... *by Ken Hobbach and Roger King*
Henning, Minn., Utilities Superintendent Don Hagen spends five working days each month reading each of the town's 450 electric meters and personally handing bills to each customer.

DEPARTMENTS

6 Something To Think About
10 Chronicle
44 Innovations
46 Omega

Public Power's annual directory begins on page 47.

PUBLIC POWER 1989 DIRECTORY

About The Directory 49
Twenty Largest Public Power Systems 50
U.S. Electric Utility Statistics 51

Public Power Systems, By State Or Territory

Alabama 60
Alaska 62
American Samoa 63
Arizona 63
Arkansas 64
California 65
Canal Zone 68
Colorado 68
Connecticut 70
Delaware 70
Florida 70
Georgia 72
Guam 73
Idaho 73
Illinois 74
Indiana 76
Iowa 80
Kansas 85
Kentucky 91
Louisiana 92
Maine 92
Maryland 94
Massachusetts 94
Michigan 95
Minnesota 97
Mississippi 103
Missouri 104
Montana 107
Nebraska 107
Nevada 113
New Hampshire 114
New Jersey 114
New Mexico 114
New York 114
North Carolina 116
North Dakota 120
Ohio 120
Oklahoma 123
Oregon 126
Pennsylvania 126
Puerto Rico 128
Rhode Island 128
South Carolina 129
South Dakota 129
Tennessee 131
Texas 133
Utah 136
Vermont 138
Virgin Islands 139
Virginia 139
Washington 140
West Virginia 141
Wisconsin 141
Wyoming 144
Joint Action Agencies 146
Regional Public Power Associations 149
State Public Power Associations 150
Federal Power Agencies 153
APPA Member Electric Cooperatives 154
Other APPA Members 155
Corporate Associate APPA Members 156
Individual Associate APPA Members 158
Municipal Cable Communication Systems 164
Public Power Magazine Index 167
APPA Staff 173

ABOUT THE DIRECTORY

Each year the January-February issue of *Public Power* includes the annual directory of publicly owned electric utilities. Putting the directory together is an enormous task—three or four members of the American Public Power Association staff were involved with it daily from September through December. But the process and the end product bring satisfaction, for we compile and present to readers an accurate picture of the public power industry.

Most public power systems listed in this directory are municipally owned; however, the listing also includes public utility districts, irrigation districts that supply electricity to retail customers, state power agencies (joint action agencies are listed separately) and county-owned power systems. The listing does not include private power companies or most electric cooperatives. Co-ops that are members of the American Public Power Association are listed separately. The listing also excludes cities that own a generating facility but sell their output to an electric utility. As the complexion of the electric utility industry changes—with the arrival of independent power producers and cogenerators—simple ownership of a generating plant does not make a utility.

The data presented in this directory were obtained chiefly from U.S. Energy Information Administration Forms 860 and 861. These forms, filed as a matter of law each year by every electric utility in the nation, contain sales, purchase, revenue, customer, and generating data. In previous years, the *Public Power* staff relied on APPA surveys—the return of which was not mandated by law—for information published in the directory. That system made it impossible to obtain new information for every entry each year. Federal law notwithstanding, there are a few utilities for which we were unable to obtain information. Where that has happened, we have noted that the information is not available.

The 1989 directory, while published as part of the magazine, is a product of a larger group of APPA staff. I would like to acknowledge the enormous contributions of John Kelly, director of economics and research, who worked with EIA staff to obtain the data and who provided valuable counsel to me in interpreting the data. Lorel Wisniewski, staff economist, and Cindy Gaskill, manager of statistics, spent many hours compiling numbers for our statistical summaries and on generating capacity. Donna Baranik, statistical assistant, spent weeks helping the magazine staff with data analysis, entry, collection (including countless phone calls to utilities that did not file their EIA forms) and proofreading. Jo Ann Hutchison, a 26-year veteran of the APPA staff who sets standards to which others aspire, lent her enormous skills to this project with several days of proofreading. Susan Lynch, APPA's membership records manager, was the pivotal person on the production end of this directory. She functioned as the managing editor on the project with an attention to detail that was superior. And finally, thanks to my colleagues in the editorial department—Laurie Joachim, Lori Woehrle and Jeannine Anderson—for their contributions to this project.

The entire team of APPA staff that worked on the directory strived for perfection. The task is too big, the changes this year too numerous, and the clock moved too quickly to allow us to achieve perfection, but our 1990 directory will build on the base created this year and we've made our list of New Year's resolutions.

Happy New Year,

Jeanne LaBella

Jeanne LaBella
Editor & Publisher

Local publicly owned electric utilities

State	Number
Alabama	36
Alaska	24
American Samoa	1
Arizona	37
Arkansas	15
California	42
Colorado	29
Connecticut	6
Delaware	9
Florida	33
Georgia	52
Guam	1
Idaho	11
Illinois	41
Indiana	72
Iowa	139
Kansas	123
Kentucky	30
Louisiana	21
Maine	7
Maryland	5
Massachusetts	40
Michigan	41
Minnesota	126
Mississippi	23
Missouri	90
Montana	2
Nebraska	161
Nevada	8
New Hampshire	5
New Jersey	9
New Mexico	7
New York	49
North Carolina	72
North Dakota	11
Ohio	83
Oklahoma	64
Oregon	17
Pennsylvania	35
Puerto Rico	1
Rhode Island	1
South Carolina	22
South Dakota	34
Tennessee	63
Texas	79
Utah	39
Vermont	15
Virgin Islands	1
Virginia	17
Washington	42
West Virginia	2
Wisconsin	82
Wyoming	13
Total	1,988

20 LARGEST STATE & LOCAL PUBLICLY OWNED ELECTRIC SYSTEMS

ELECTRIC CUSTOMERS SERVED—1987[1]

1.	Los Angeles Department of Water and Power	1,291,244
2.	Puerto Rico Electric Power Authority	1,105,362
3.	Salt River Project, Phoenix, Ariz.	489,913
4.	San Antonio, Texas, City Public Service	459,824
5.	Sacramento, Calif., Municipal Utility District	407,635
6.	Memphis, Tenn., Light, Gas & Water Division	326,676
7.	Seattle, Wash., City Light	308,604
8.	Jacksonville, Fla., Electric Authority	273,241
9.	Nashville, Tenn., Electric Service	263,533
10.	Austin, Texas, Electric Utility	254,750
11.	Omaha Public Power District, Nebraska	238,502
12.	Snohomish County, Wash., Public Utility District	177,819
13.	Colorado Springs, Colo., Public Utilities Department	141,367
14.	Knoxville, Tenn., Utilities Board	141,367
15.	Chattanooga, Tenn., Electric Power Board	134,427
16.	Orlando, Fla., Utilities Commission	133,730
17.	Tacoma, Wash., City Light	120,800
18.	Nebraska Public Power District	106,501
19.	Huntsville, Ala., Utilities	97,864
20.	Anaheim, Calif.	95,975

KWH SALES—1987[2]

1.	New York Power Authority	$44,167,624,000
2.	Los Angeles Department of Water and Power	20,834,115,000
3.	Salt River Project, Phoenix, Ariz.	16,079,108,698
4.	Nebraska Public Power District	12,497,450,532
5.	South Carolina Public Service Authority	11,803,629,114
6.	Puerto Rico Electric Power Authority	11,469,190,000
7.	San Antonio, Texas, City Public Service	10,505,372,000
8.	Memphis, Tenn., Light, Gas & Water Division	10,089,476,548
9.	Nashville, Tenn., Electric Service	9,094,194,866
10.	Chelan County, Wash., Public Utility District	8,989,480,003
11.	Seattle, Wash., City Light	8,108,726,000
12.	Municipal Electric Authority of Georgia	7,505,136,988
13.	Jacksonville, Fla., Electric Authority	7,474,195,257
14.	Sacramento, Calif., Municipal Utility District	7,418,577,000
15.	Lower Colorado River Authority, Austin, Texas	6,884,379,382
16.	Omaha Public Power District, Nebraska	6,627,961,100
17.	Tacoma, Wash., City Light	6,612,294,882
18.	Austin, Texas, Electric Utility	5,754,350,000
19.	Chattanooga, Tenn., Electric Power Board	4,972,735,896
20.	North Carolina Eastern Municipal Power Agency	4,910,500,000

[1]Ultimate customers served
[2]Sales to ultimate customers and sale for resale.
[3]Revenues from sales to ultimate customers and from sales for resale.

ELECTRIC REVENUES—1987[3]

1.	Los Angeles Department of Water and Power	$1,438,532,000
2.	New York Power Authority	1,127,999,000
3.	Puerto Rico Electric Power Authority	964,243,000
4.	Salt River Project, Phoenix, Ariz.	926,391,000
5.	San Antonio, Texas, City Public Service	619,095,000
6.	Memphis, Tenn., Light, Gas & Water Division	544,880,000
7.	Sacramento, Calif., Municipal Utility District	499,203,000
8.	Nashville, Tenn., Electric Service	481,638,000
9.	South Carolina Public Service Authority	481,099,000
10.	Jacksonville, Fla., Electric Authority	457,536,000
11.	Municipal Electric Authority of Georgia	412,362,000
12.	Nebraska Public Power District	406,326,000
13.	Austin, Texas, Electric Utility	398,594,000
14.	Omaha Public Power District, Nebraska	317,758,000
15.	North Carolina Eastern Municipal Power Agency	289,618,000
16.	Chattanooga, Tenn., Electric Power Board	260,865,000
17.	Seattle, Wash., City Light	245,526,000
18.	Knoxville, Tenn., Utilities Board	226,253,000
19.	Orlando, Fla., Utilities Commission	210,487,000
20.	Lower Colorado River Authority, Austin, Texas	204,607,000

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U.S. ELECTRIC UTILITY STATISTICS

Local public systems statistics are based on data collected from Energy Information Administration Forms 860 and 861. Private company statistics are based on preliminary data released by the Edison Electric Institute. REA data are from the 1987 Statistical Report, Rural Electric Borrowers, published by the U.S. Rural Electrification Administration. Federal statistics are based on data from EIA Forms 860 and 861.

NUMBER OF UTILITIES

Private power companies	203
Local publicly owned systems	1988 *
Publicly owned joint action agencies	59
Rural electrics (includes 885 distribution cooperatives and 59 generation and transmission systems)	994
Federal power agencies**	6 **

*Previous year totals of public power systems have been higher because the count included 397 towns in Nebraska that lease their distribution systems to Nebraska Public Power District, Loup Power District or other utilities. All production, distribution, billing and collection matters are supplied by the leasing utilities. Hence, the towns are not counted here as utilities.

**Includes Alaska Power Administration, Bonneville Power Administration, Southeastern Power Administration, Southwestern Power Administration, Western Area Power Administration and the Tennessee Valley Authority.

	1987	Percent
NUMBER OF ULTIMATE CUSTOMERS		
Local public systems	15,602,705	14.7
Private	80,272,397	75.6
REA borrowers	10,375,322	9.8
Federal*	310	**
TOTAL	106,250,734	100.0

** Less than 0.01 percent.

	1987	Percent
KILOWATT-HOUR SALES TO ULTIMATE CUSTOMERS (in millions of kWh)		
Local public systems	347,938	14.3
Private	1,879,521	80.0
REA borrowers	167,719	6.9
Federal	45,992	1.9
TOTAL	2,441,170	100.0

	1987	Percent
ELECTRIC OPERATING REVENUES (in thousands of dollars, from ultimate customers)		
Local public systems	$20,028,772	12.8
Private	123,301,521	78.7
REA borrowers	11,515,405	7.4
Federal	1,737,676	1.1
TOTAL	$156,583,374	100.0

	1987	Percent
INSTALLED CAPACITY (in thousands of kilowatts)		
Local public systems	77,992	10.7
Private	554,007	75.9
REA borrowers	30,938	4.2
Federal	67,095	9.2
TOTAL	730,032	100.0

	1987	Percent
KILOWATT-HOUR GENERATION (in millions of kWh)		
Local public systems	270,208	10.2
Private	2,022,260	76.2
REA borrowers	137,302	5.2
Federal *	223,486	8.4
TOTAL	2,653,256	100.0

*The federal government is primarily a wholesaler of electric power, with 15,218 total customers.

In Transition...

Four new public power systems began operating in 1988:

Public Power System	Meters	Formerly served by
Hayfork Valley Public Utility District (California)	724	Pacific Gas & Electric
Lassen Municipal Utility District (California)	10,000	CP National
Scribner Light & Water Works (Nebraska)	574	Nebraska Public Power District
Washington City Electric Distribution System (Utah)	2,000	Utah Power & Light Co.

Two Public Power Systems were sold:

Public Power System	Meters	Sold to
Manchester Light & Power Department (Oklahoma)	105	Oklahoma Gas & Electric
Coats Electric Department Kansas.	75	Centel Electric, Kansas

In nine communities, voters have approved the creation of a public power system:

Community	Now served by
Arnolds Park, Iowa	Iowa Electric Light & Power
Clyde, Ohio	Toledo Edison
Derby Line Village, Vermont	Vermont Electric Cooperative, Inc.
Gilbert Arizona	Arizona Public Service
Hull, Iowa	Iowa Public Service
Okoboji, Iowa	Iowa Electric Light & Power
Plymouth, Utah	Utah Power & Light
Ringsted, Iowa	Iowa Electric Light & Power
Sheldon, Iowa	Iowa Public Service

Chart #1

AVERAGE COST OF ELECTRICITY PER KILOWATT-HOUR, 1986

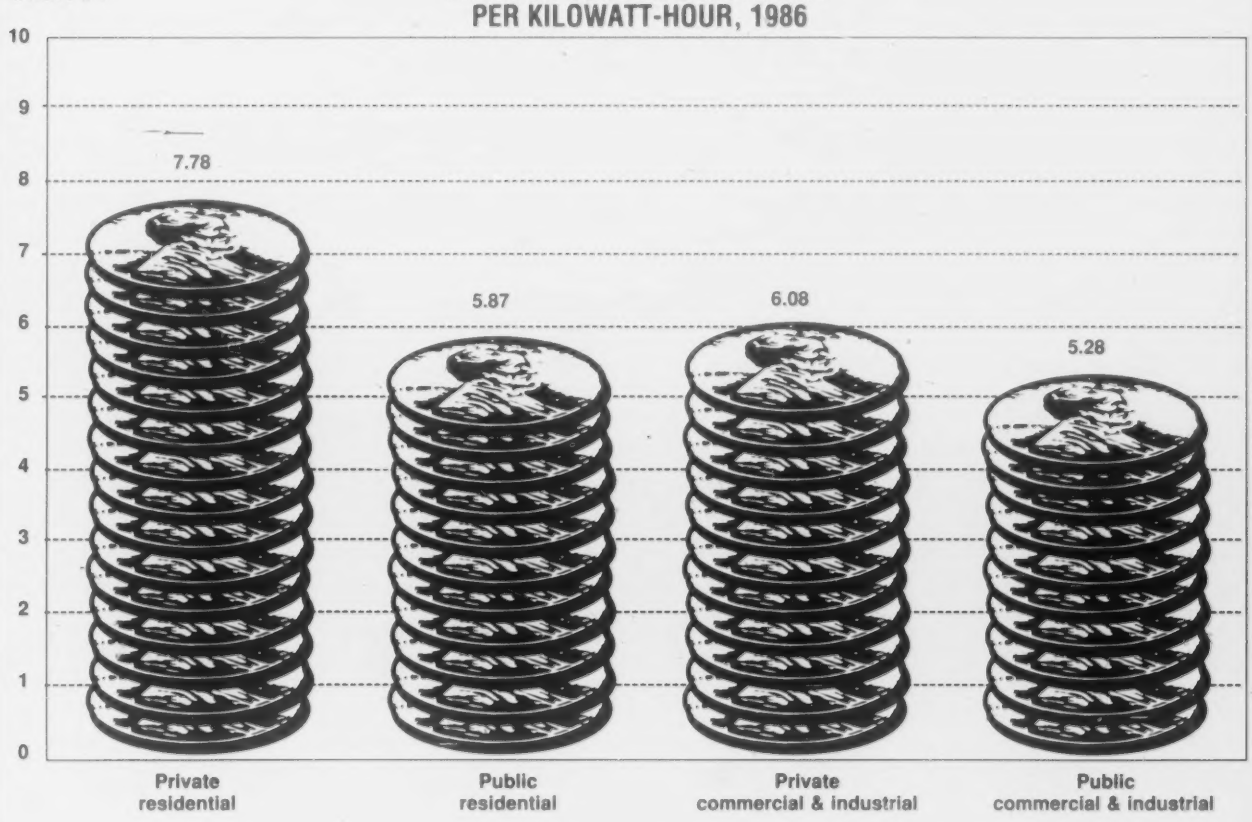


Chart #2

NUMBER OF ELECTRIC SYSTEMS BY OWNERSHIP, 1987

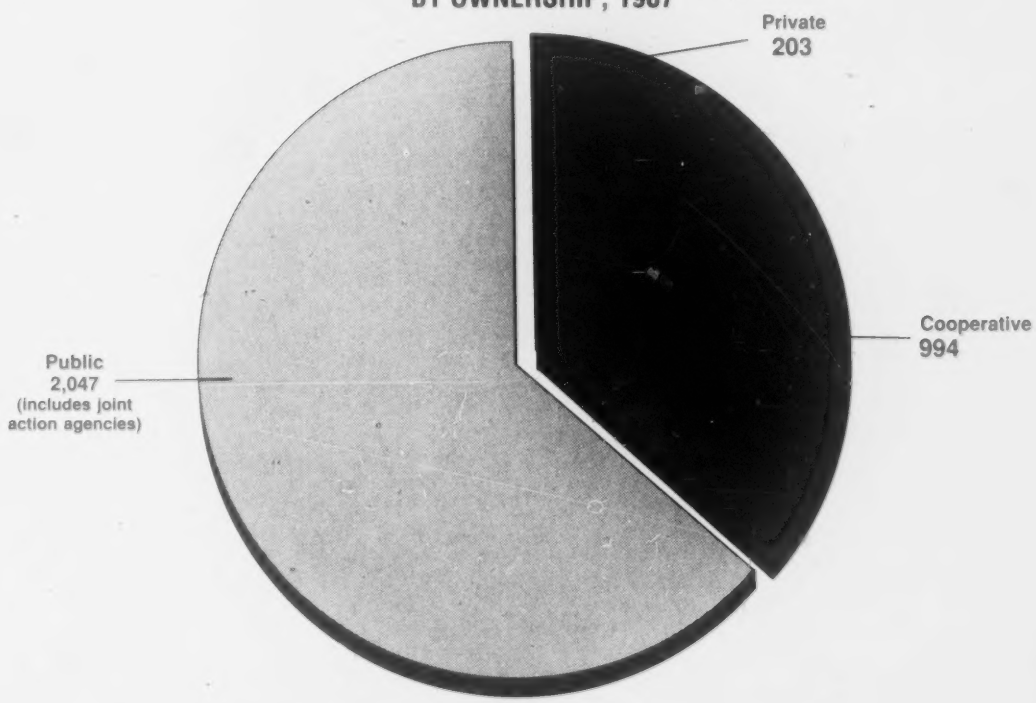


Chart #3

MEGAWATTS OF INSTALLED UTILITY GENERATING CAPACITY BY OWNERSHIP, 1987

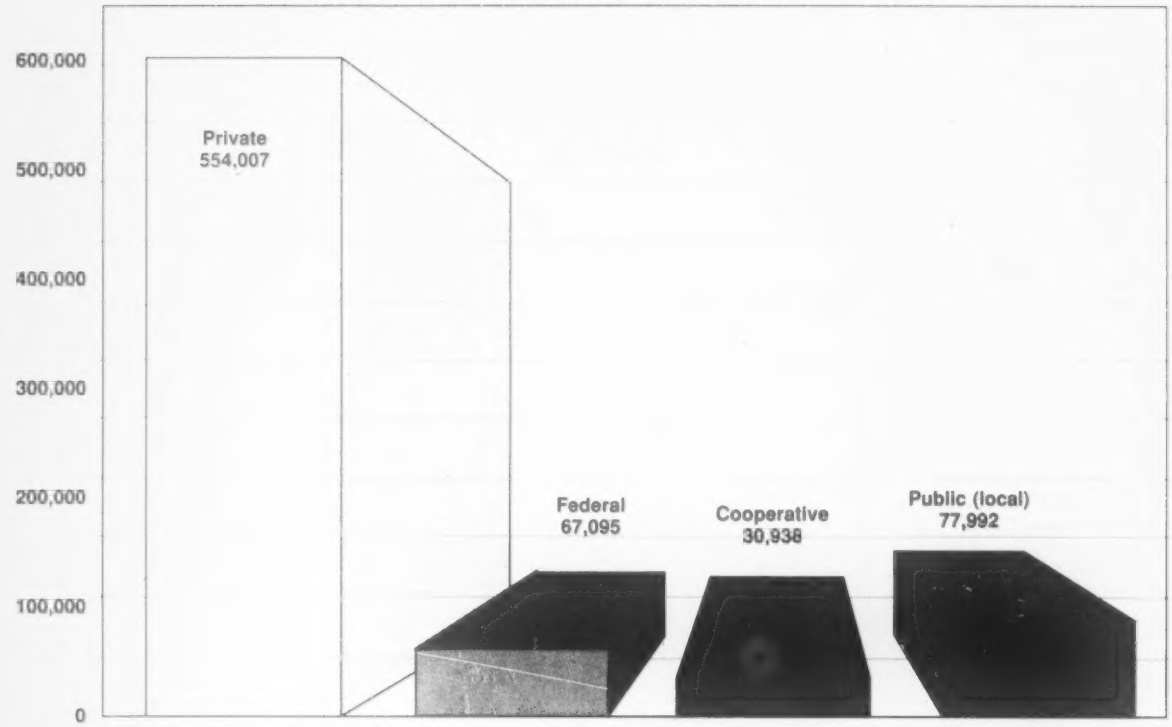


Chart #4

KILOWATT-HOURS GENERATED BY UTILITIES BY OWNERSHIP, 1987

(In millions of KWh)

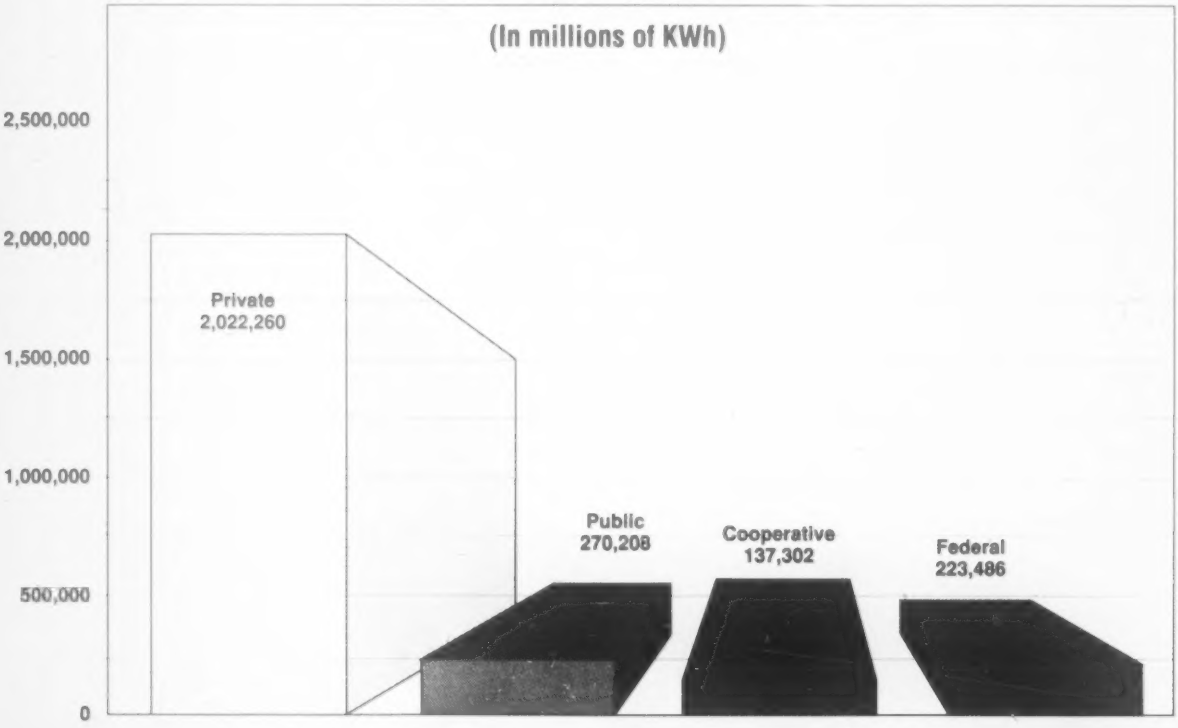


Chart #5

KILOWATT-HOUR SALES TO ULTIMATE CUSTOMERS, 1987
(in millions of KWh)

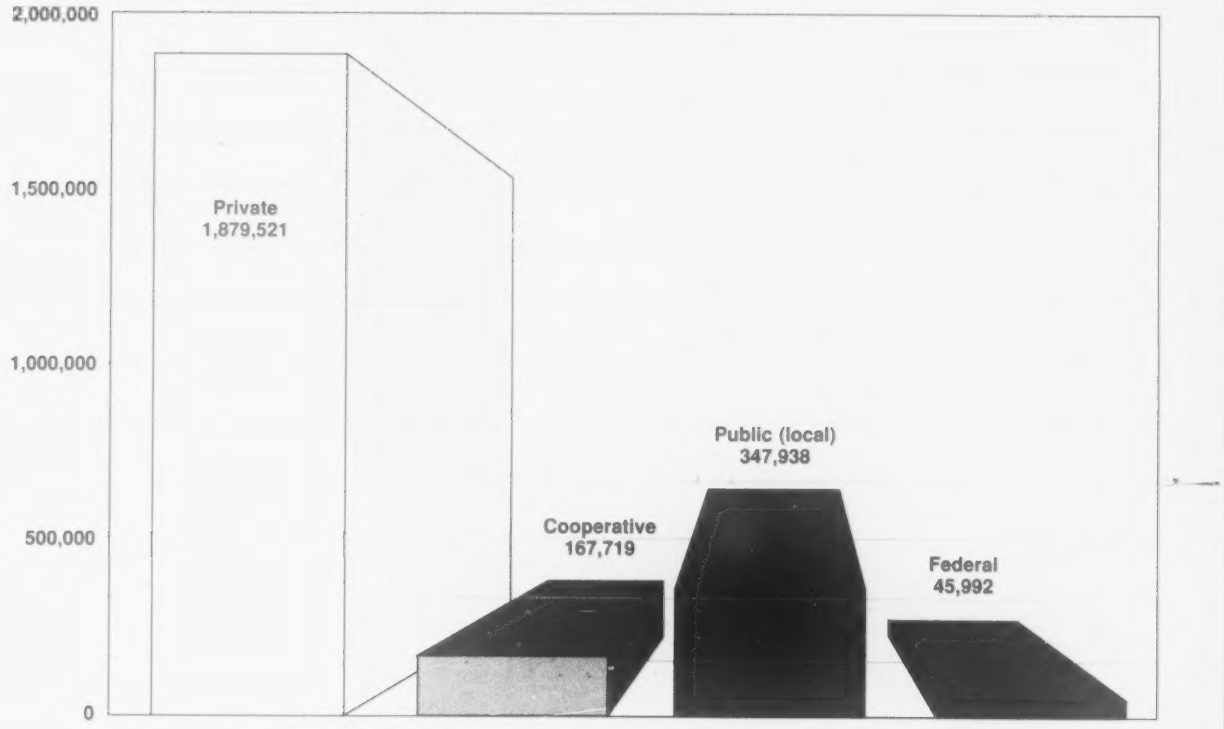


Chart #6

ELECTRIC UTILITY OPERATING REVENUES, 1987
SALES TO ULTIMATE CUSTOMERS

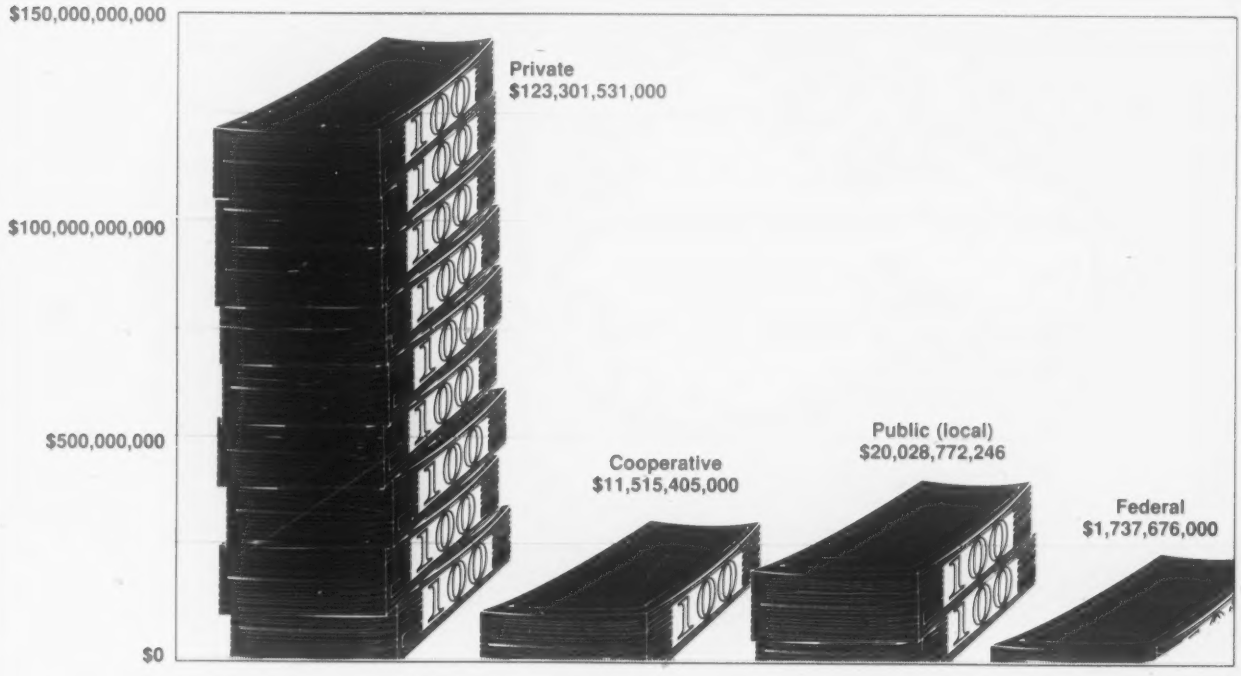


Chart #7 NUMBER OF ULTIMATE ELECTRIC UTILITY CUSTOMERS, 1987

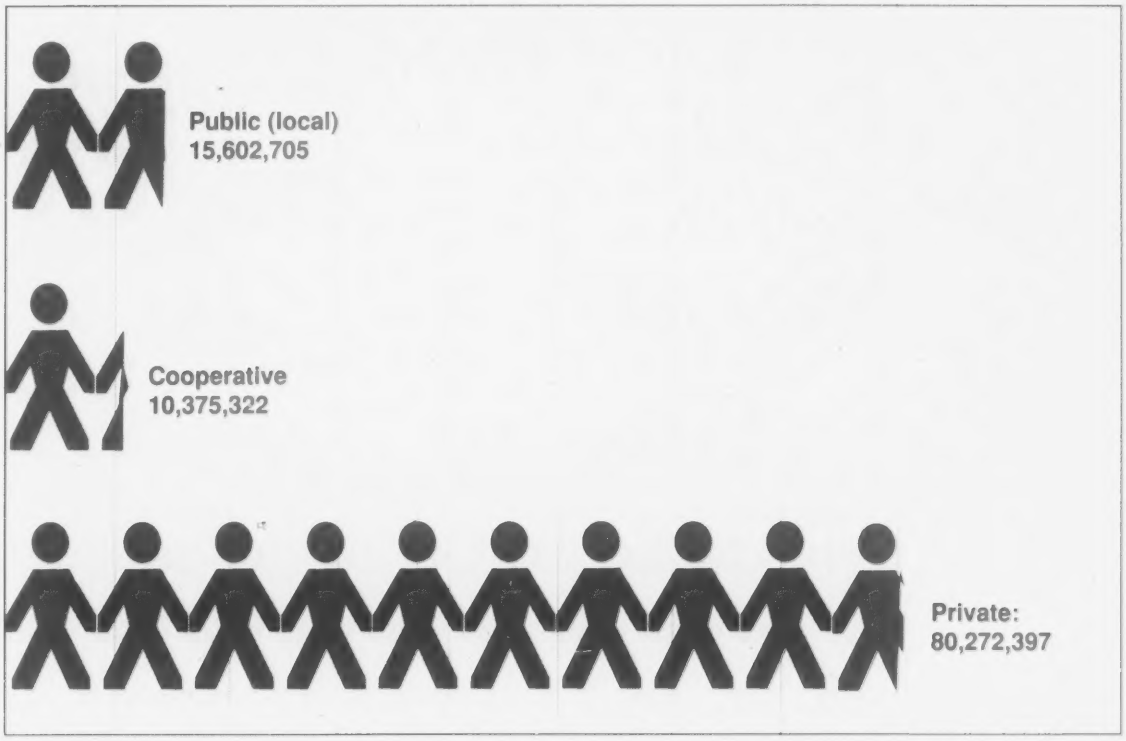


Chart #8 COST OF PRODUCTION PER KILOWATT-HOUR SOLD, 1986

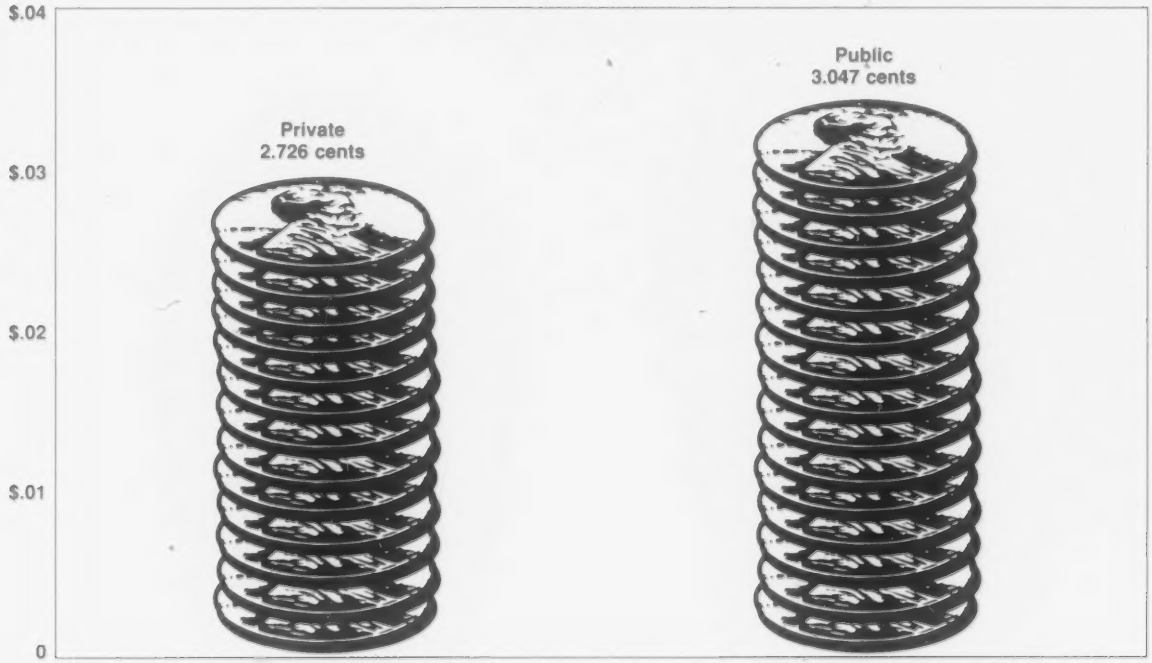


Chart #9

DISTRIBUTION EXPENSES PER CUSTOMER PUBLIC AND PRIVATE UTILITIES, 1986

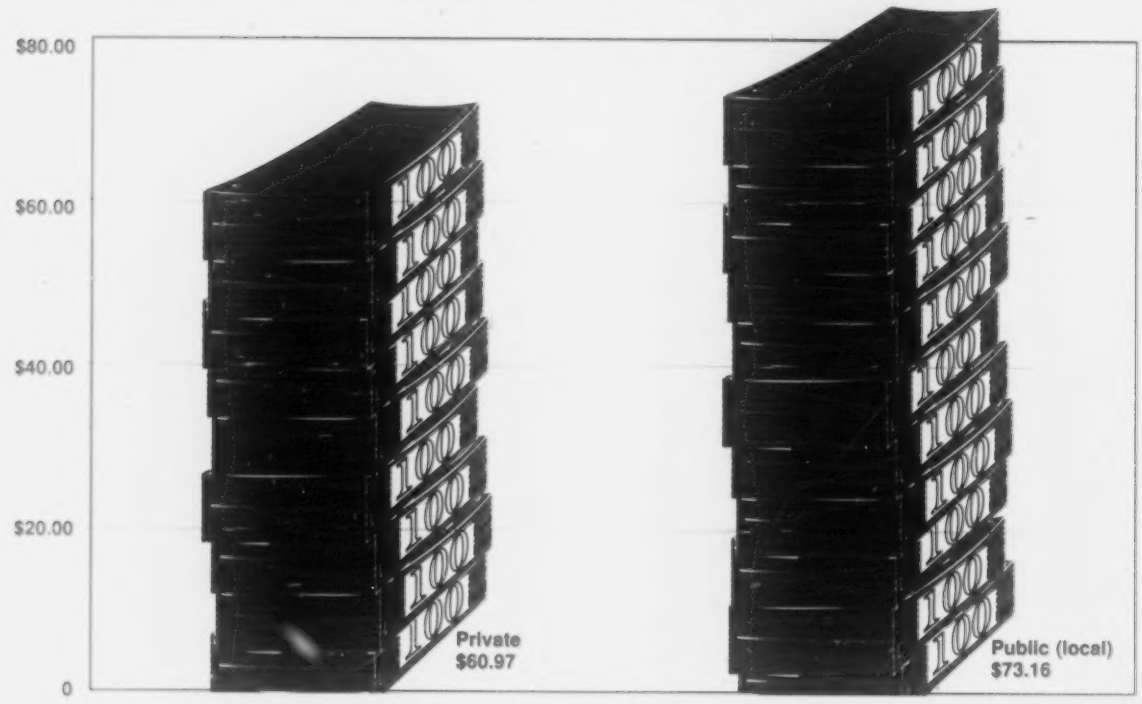


Chart #10

ADMINISTRATIVE AND GENERAL EXPENSES PER CUSTOMER PUBLIC AND PRIVATE UTILITIES, 1986

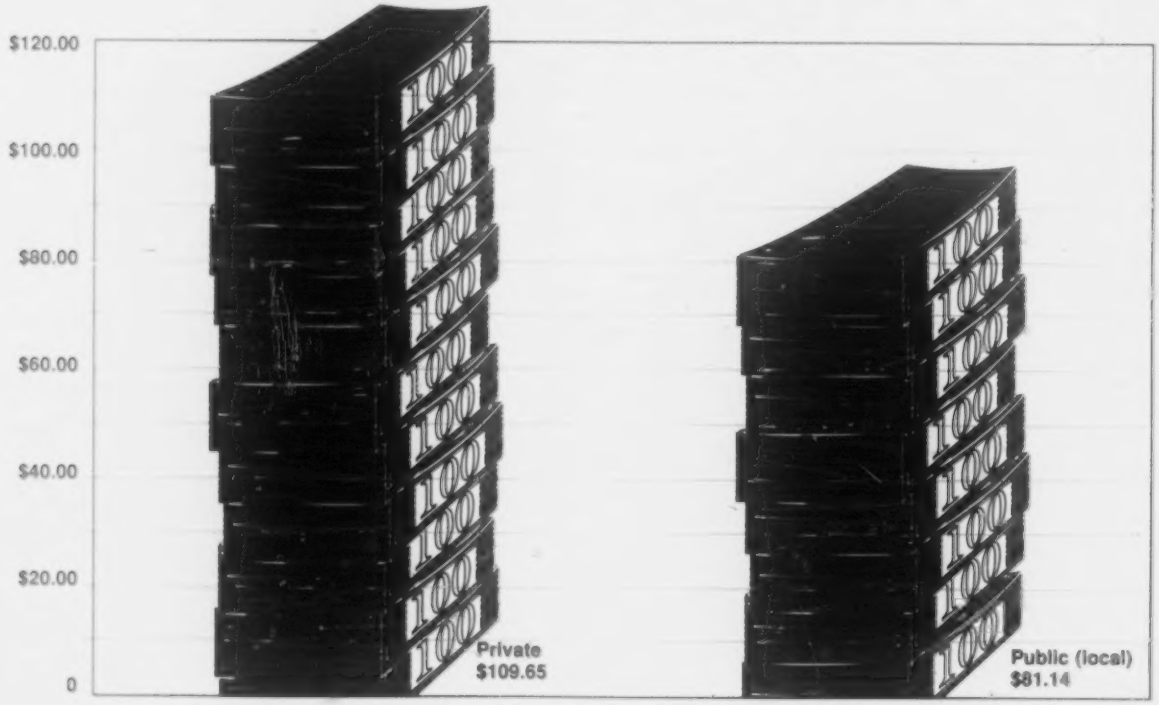


Chart #11

ACCOUNTING AND COLLECTIONS EXPENSES PER KILOWATT-HOUR
Private and Public Utilities, 1986

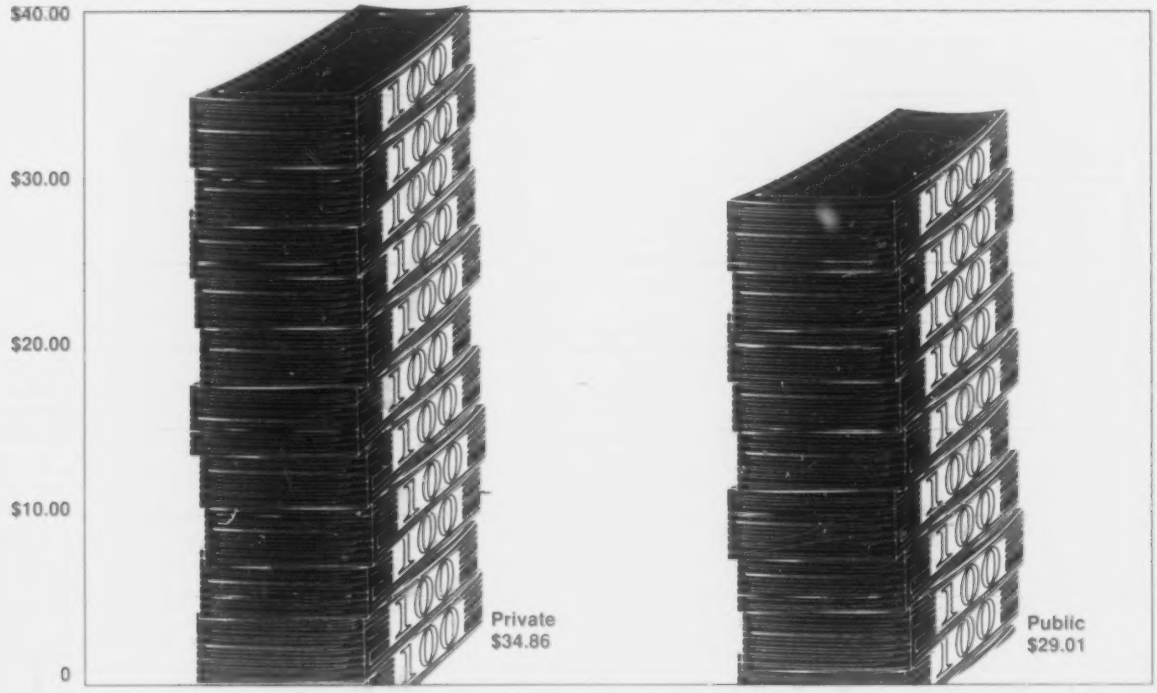
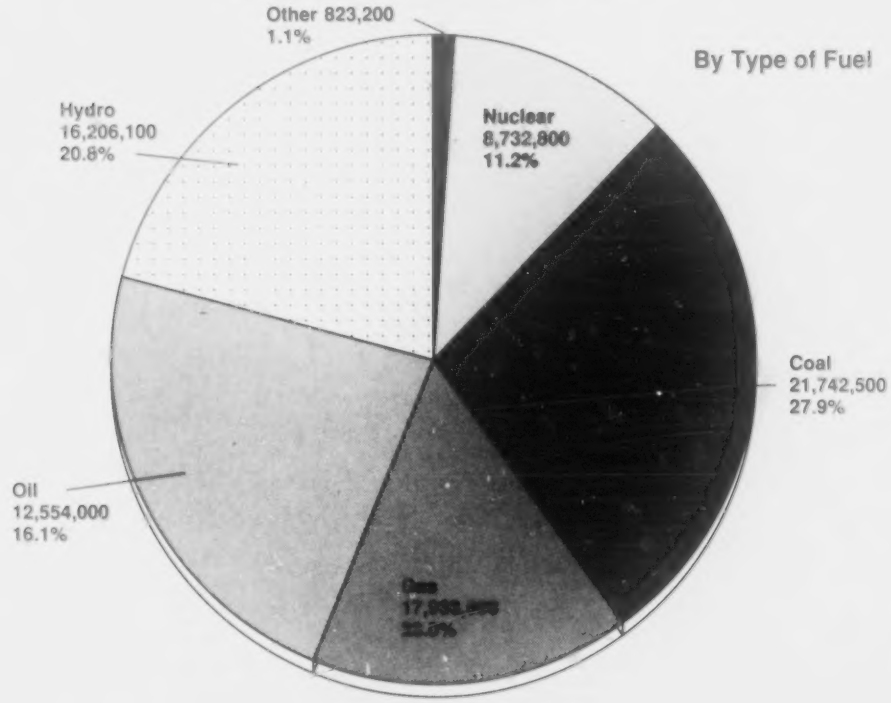


Chart #12

INSTALLED GENERATING CAPACITY OF PUBLIC POWER SYSTEMS IN THE UNITED STATES, 1987



ALABAMA

(Systems designated (TVA) are distributors of Tennessee Valley Authority power and purchase all of their power from TVA.)

Albertville, City of*
Box 130
Albertville, Ala. 35950
(205) 878-3761
James W. Stewart, General Manager
customers: 7,532
1987 kWh generated: 0
1987 kWh purchased: 375,855,590 (TVA)
1987 kWh sold: 365,142,484
1987 revenues: $18,785,000
established 1938

Alexander City, City of†*
Russell Road, Box 637
Alexander City, Ala. 35010
(205) 329-8426
Lamar Hunter, Superintendent
customers: 6,466
1987 kWh generated: 0
1987 kWh purchased: 101,799,703
1987 kWh sold: 93,183,833
1987 revenues: $5,634,000
established 1930

Andalusia, City of
City Hall Building, Box 429
Andalusia, Ala. 36420
(205) 222-1332
Joe Traywick, Director of Utilities
customers: 4,446
1987 kWh generated: 0
1987 kWh purchased: 156,179,200
1987 kWh sold: 150,919,746
1987 revenues: $8,605,000
established 1944

Athens, City of
Box 1089
Athens, Ala. 35611
(205) 232-1440
T. T. Craven, General Manager
customers: 23,417
1987 kWh generated: 0
1987 kWh purchased: 526,262,867 (TVA)
1987 kWh sold: 483,410,198
1987 revenues: $26,398,000
established 1935

Bessemer, City of*
1600 First Ave.
Bessemer, Ala. 35020
(205) 424-2304
James L. Clements, Office Manager
customers: 12,796
1987 kWh generated: 0
1987 kWh purchased: 299,312,532 (TVA)
1987 kWh sold: 284,001,307
1987 revenues: $14,815,000
established 1939

Brundidge, City of
Box 338
Brundidge, Ala. 36010
(205) 735-2321
Jack V. Taylor, Manager
customers: 1,320
1987 kWh generated: 0
1987 kWh purchased: 24,842,000
1987 kWh sold: 21,560,000
1987 revenues: $1,580,000
established 1950

Courtland, City of
Box 160
Courtland, Ala. 35618
(205) 637-2707
Denzel Reding, Superintendent
customers: 799
1987 kWh generated: 0
1987 kWh purchased: 14,951,160 (TVA)
1987 kWh sold: 14,134,222
1987 revenues: $810,000
established 1935

Cullman, City of*
204 Second Ave., Drawer 927
Cullman, Ala. 35056
(205) 734-6511
Jim Garrett, General Manager
customers: 7,199
1987 kWh generated: 0
1987 kWh purchased: 273,412,383 (TVA)
1987 kWh sold: 261,045,919
1987 revenues: $14,046,000
established 1947

Decatur, City of
110 Johnson St. S.E., Box 2232
Decatur, Ala. 35602
(205) 552-1440
Roy Russell, Electric Manager
customers: 21,504
1987 kWh generated: 0
1987 kWh purchased: 1,224,340,041 (TVA)
1987 kWh sold: 1,185,661,444
1987 revenues: $56,659,000
established 1939

Dothan, City of†*
126 N. St. Andrews, Box 2128
Dothan, Ala. 36303
(205) 793-0344
James C. Kilgore, Superintendent
customers: 23,744
1987 kWh generated: 0
1987 kWh purchased: 795,247,604
1987 kWh sold: 729,968,023
1987 revenues: $42,298,000
established 1903

Elba, City of
200 Buford St.
Elba, Ala. 36323
(205) 897-2261
Ed Compton, Superintendent
customers: 3,702
1987 kWh generated: 0
1987 kWh purchased: 43,953,600
1987 kWh sold: 39,781,392
1987 revenues: $2,798,000

Evergreen, City of
Box 229
Evergreen, Ala. 36401
(205) 578-1574
Curtis Hamilton, City Administrator
customers: 1,876
1987 kWh generated: 0
1987 kWh purchased: 44,059,937
1987 kWh sold: 35,291,791
1987 revenues: $2,321,000

Fairhope, City of†*
161 N. Section St., Drawer 429
Fairhope, Ala. 36533
(205) 928-2136
Aaron Norris, Superintendent
customers: 3,946
1987 kWh generated: 0
1987 kWh purchased: 83,554,000
1987 kWh sold: 76,102,321
1987 revenues: $4,708,000
established 1923

Florence, City of*
110 W. College St., Box 877
Florence, Ala. 35630
(205) 760-6300
Howard McClanahan, Manager
customers: 35,939
1987 kWh generated: 0
1987 kWh purchased: 885,917,714 (TVA)
1987 kWh sold: 827,003,832
1987 revenues: $47,865,000
established 1936

Fort Payne Improvement Authority
118 Godfrey Ave. S.E.
Fort Payne, Ala. 35967
(205) 845-0671
Steve Sax, Manager
customers: 6,778
1987 kWh generated: 0
1987 kWh purchased: 218,499,361 (TVA)
1987 kWh sold: 205,223,667
1987 revenues: $11,718,000
established 1940

Guntersville, City of*
325 Gunter Ave.
Guntersville, Ala. 35976
(205) 582-5691
C. H. Gordon, Manager
customers: 5,068
1987 kWh generated: 0
1987 kWh purchased: 179,463,718 (TVA)
1987 kWh sold: 168,966,561
1987 revenues: $9,427,000
established 1933

Hartford, City of
203 W. Main St.
Hartford, Ala. 36344
(205) 588-2245
H. R. Lee, Superintendent
customers: 1,342
1987 kWh generated: 0
1987 kWh purchased: 22,848,000
1987 kWh sold: 19,983,345
1987 revenues: $1,203,000

Hartselle, City of
200 N. Sparkman St., Box 847
Hartselle, Ala. 35640
(205) 773-2588
Max King, Manager
customers: 4,152
1987 kWh generated: 0
1987 kWh purchased: 123,219,323 (TVA)
1987 kWh sold: 115,283,322
1987 revenues: $6,393,000
established 1938

Huntsville, City of*
112 Spragins St., Box 2048
Huntsville, Ala. 35804
(205) 533-0300
Edward E. Cobb, General Manager
customers: 97,864
1987 kWh generated: 0
1987 kWh purchased: 3,034,454,938 (TVA)
1987 kWh sold: 2,892,497,554
1987 revenues: $150,121,000
established 1941

Lanett, City of†*
210 Lanier St.
Lanett, Ala. 36863
(205) 644-2141
Ross Whitman, Superintendent of Utilities
customers: 3,225
1987 kWh generated: 0
1987 kWh purchased: 46,508,800
1987 kWh sold: 43,239,243
1987 revenues: $2,649,000

Layfayette, City of†*
Box 87
Lafayette, Ala. 36862
(205) 864-9581
Gene Lamb, Electrical Superintendent
customers: 1,321
1987 kWh generated: 0
1987 kWh purchased: 23,176,800
1987 kWh sold: 19,503,498
1987 revenues: $1,204,000
established 1911

Luverne, City of†*
106 E. Fifth St.
Luverne, Ala. 36049
(205) 335-3741
Bobby Langford, Superintendent
customers: 1,515
nameplate capacity: unavailable
1987 kWh generated: 30,630,057
1987 kWh purchased: 3,901,143
1987 kWh sold: 29,825,071
1987 revenues: $1,750,000

Muscle Shoals, City of*
1000 Avalon St.
Muscle Shoals, Ala. 35660
(205) 383-6681
Rickey J. Thomas, Manager
customers: 4,541
1987 kWh generated: 0
1987 kWh purchased: 170,020,063 (TVA)
1987 kWh sold: 161,786,721
1987 revenues: $9,349,000
established 1933

Opelika, City of†*
204 S. 70 St.
Opelika, Ala. 36802
(205) 745-4681
B. J. Douglas, Director of Light & Power
customers: 9,403
1987 kWh generated: 0
1987 kWh purchased: 291,405,600
1987 kWh sold: 277,216,284
1987 revenues: $15,400,000
established 1910

Opp, City of
106 N. Main St.
Opp, Ala. 36467
(205) 493-4571
Charles D. McGowan, Manager
customers: 3,455
1987 kWh generated: 0
1987 kWh purchased: 68,935,200
1987 kWh sold: 62,852,236
1987 revenues: $4,307,000
established 1943

Piedmont, City of†*
109 N. Center Ave., Box 112
Piedmont, Ala. 36272
(205) 447-9007
Brent Morrison, City Administrator
customers: 3,543
1987 kWh generated: 0
1987 kWh purchased: 126,143,376
1987 kWh sold: 122,796,676
1987 revenues: $3,543,000

Riviera Utilities†*
413 E. Laurel Ave., Drawer 550
Foley, Ala. 36536
(205) 943-5001
H. Sewell St. John Jr., General Manager
customers: 19,384
1987 kWh generated: 0
1987 kWh purchased: 373,450,213
1987 kWh sold: 351,268,000
1987 revenues: $23,090,000
established 1941

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

Robertsdale, City of
Box 429
Robertsdale, Ala. 36567
(205) 947-2144
Paul N. Edhegard, Superintendent of Utilities
customers: 1,413
1987 kWh generated: 0
1987 kWh purchased: 28,167,111
1987 kWh sold: 25,623,527
1987 revenues: $1,677,000
established 1924

Russellville, City of
400 N. Jackson Ave., Box 1148
Russellville, Ala. 35653
(205) 332-3850
Ralph Bishop, Manager
customers: 4,143
1987 kWh generated: 0
1987 kWh purchased: 111,890,150 (TVA)
1987 kWh sold: 104,987,437
1987 revenues: $6,039,000
established 1938

Scottsboro, City of*
404 W. Willow St., Box 399
Scottsboro, Ala. 35768
(205) 574-2680
E. Gene Rose, Manager
customers: 6,825
1987 kWh generated: 0
1987 kWh purchased: 305,116,016 (TVA)
1987 kWh sold: 294,398,986
1987 revenues: $15,087,000
established 1939

Sheffield, City of*
300 Nashville Ave., Box 580
Sheffield, Ala. 35660
(205) 383-5221
Jimmy Barnett, General Manager
customers: 15,878
1987 kWh generated: 0
1987 kWh purchased: 406,618,465 (TVA)
1987 kWh sold: 361,339,191
1987 revenues: $21,986,000
established 1936

Sylacauga, City of†*
225 N. Norton Ave., Box 207
Sylacauga, Ala. 35150
(205) 249-8501
Dale H. Baker, General Manager
customers: 6,217
1987 kWh generated: 0
1987 kWh purchased: 151,104,000
1987 kWh sold: 141,424,153
1987 revenues: $8,479,000
established 1955

Tarrant City, City of
1000 Ford Ave., Box 6536
Tarrant City, Ala. 35217
(205) 841-1721
Robert Burns, Manager
customers: 3,386
1987 kWh generated: 0
1987 kWh purchased: 74,812,609 (TVA)
1987 kWh sold: 71,084,278
1987 revenues: $4,475,000
established 1933

Troy, City of
Box 549
Troy, Ala. 36081
(205) 566-2130
G. Homer Reeves, Superintendent
customers: 5,336
1987 kWh generated: 0
1987 kWh purchased: 183,147,872
1987 kWh sold: 163,006,269
1987 revenues: $9,124,000
established 1895

Tuscumbia, City of†*
202 E. Sixth St.
Tuscumbia, Ala. 35674
(205) 383-0321
Charles P. Ricks, Manager
customers: 3,790
1987 kWh generated: 0
1987 kWh purchased: 91,359,743 (TVA)
1987 kWh sold: 86,325,976
1987 revenues: $4,846,000
established 1937

Tuskegee, City of†*
101 Fonville St.
Tuskegee, Ala. 36083
(205) 727-6227
Gary Cooper, Acting Superintendent
customers: 7,500
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1939

ALASKA

Akutan Electric Utility
General Delivery
Akutan, Alaska 99553
(907) 698-2228
Tom McGlashan, Power Plant Manager
customers: 30
nameplate capacity (kW): oil 180
1987 kWh generated: 231,000
1987 kWh purchased: 0
1987 kWh sold: 231,000
1987 revenues: $64,000
established 1982

Alaska Power Authority*
701 E. Tudor Rd., Box 190869
Anchorage, Alaska 99519-0869
(907) 561-7877
Robert Heath, Executive Director
customers: not available
nameplate capacity: unavailable
1987 kWh generated: 245,463,000
1987 kWh purchased: 217,333
1987 kWh sold: 0
1987 revenues: $12,171,000
established 1976

Anchorage, City of*
1200 E. First Ave.
Anchorage, Alaska 99501
(907) 279-7671
Thomas R. Stahr, Manager
customers: 29,785
nameplate capacity (kW): oil 2,600; gas 262,700; other 34,000
1987 kWh generated: 917,592,580
1987 kWh purchased: 82,684,000
1987 kWh sold: 965,706,986
1987 revenues: $62,554,000
established 1932

Chignik, City of
General Delivery
Chignik, Alaska 99564
(907) 749-2280
John S. Levy, City Administrator
customers: 50
nameplate capacity: unavailable
1987 kWh generated: 333,095
1987 kWh purchased: 0
1987 kWh sold: 333,095
1987 revenues: $93,000
established 1981

Fairbanks, City of
645 Fifth Ave., Box 2215
Fairbanks, Alaska 99707
(907) 456-1000
Martin Lanum, Utility Superintendent
customers: 6,187
nameplate capacity (kW): oil 36,600; coal 28,500
1987 kWh generated: 109,772,029
1987 kWh purchased: 39,960,000
1987 kWh sold: 149,296,029
1987 revenues: $13,237,000
established 1949

Galena, City of
Box 149
Galena, Alaska 99741
(907) 656-1301
James Olsen, Manager
customers: 306
nameplate capacity: unavailable
1987 kWh generated: 2,224,300
1987 kWh purchased: 0
1987 kWh sold: 2,174,195
1987 revenues: $729,000

Ketchikan, City of
2930 Tongass Ave.
Ketchikan, Alaska 99901
(907) 225-3111
Richard Southworth, Utilities Manager
customers: 6,518
nameplate capacity (kW): oil 18,300; hydro 34,700
1987 kWh generated: 64,556,910
1987 kWh purchased: 46,963,740
1987 kWh sold: 98,688,778
1987 revenues: $9,614,000
established 1935

King Cove, City of
Box 37
King Cove, Alaska 99612
(901) 497-2340
Cynthia Samuelson, Administrative Officer
customers: 180
nameplate capacity: unavailable
1987 kWh generated: 1,898,340
1987 kWh purchased: 0
1987 kWh sold: 1,596,091
1987 revenues: $330,000
established 1950

Klukwan Electric Utilities
Box 210
Haines, Alaska 99827
(907) 767-5505
William Hotch, Manager
customers: 23
1987 kWh generated: unavailable
1987 kWh purchased: unavailable
1987 kWh sold: unavailable
1987 revenues: $24,300
established 1968

Kotlik, City of
Box 92543
Kotlik, Alaska 99620
(907) 899-4111
Benny Kamkoff, Manager
customers: 96
1987 kWh generated: unavailable
1987 kWh purchased: unavailable
1987 kWh sold: unavailable
1987 revenues: unavailable
established 1982

Kuiggluum Kallugvia
C/O Kwethluk, Inc., Box 80
Kwethluk, Alaska 99621
(907) 757-6613
Magdalene McDalton, Office Manager
customers: 157
nameplate capacity (kW): oil 310;
1987 kWh generated: 682,000
1987 kWh purchased: 0
1987 kWh sold: 682,000
1987 revenues: $542,000
established 1977

Larsen Bay, City of
Box 126
Larsen Bay, Alaska 99624
(907) 847-2224
David Easter, Clerk
customers: 57
nameplate capacity: unavailable
1987 kWh generated: 310,287
1987 kWh purchased: 0
1987 kWh sold: 310,287
1987 revenues: $123,000

Manokotak, City of
Box 65
Manokotak, Alaska 99628
(907) 289-1062
Nels C. Franklin, President
customers: 96
nameplate capacity: unavailable
1987 kWh generated: 528,440
1987 kWh purchased: 0
1987 kWh sold: 528,440
1987 revenues: $153,000
established 1976

Metlakatla, City of
Box 346
Metlakatla, Alaska 99926
(907) 886-4451
Bill Kaltenekker, General Manager
customers: 613
nameplate capacity (kW): oil 9,000; hydro 3,900
1987 kWh generated: 21,784,000
1987 kWh purchased: 0
1987 kWh sold: 20,062,611
1987 revenues: $1,887,000
established 1927

Nome Joint Utility Systems
Fifth Ave. W and K St., Box 70
Nome, Alaska 99762
(907) 433-5288
Joe M. Murphy, General Manager
customers: 1,840
nameplate capacity (kW): oil 10,300
1987 kWh generated: 22,765,544
1987 kWh purchased: 0
1987 kWh sold: 20,832,643
1987 revenues: $3,773,000
established 1960

North Slope Borough Department of Municipal Services
Barrow, Alaska 99723
(907) 852-2611
Celia Zagers,
customers: 892
nameplate capacity: unavailable
1987 kWh generated: 11,654,375
1987 kWh purchased: 0
1987 kWh sold: 8,830,361
1987 revenues: $2,833,762
established 1980

Petersburg, City of
11 S. Nordic Drive, Box 329
Petersburg, Alaska 99833
(907) 772-4203
Dennis Lewis, Superintendent
customers: 1,681
nameplate capacity (kW): oil 5,700; hydro 1,600
1987 kWh generated: 12,307,589
1987 kWh purchased: 14,226,000

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1987 kWh sold: 25,047,738
1987 revenues: $2,499,000
established 1924

St. Paul, City of
Mail Pouch # 1
St Paul, Alaska 99660
(907) 546-2331
Vern McCorkel, City Manager
customers: 350
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1983

Seward, City of
Box 167
Seward, Alaska 99664
(907) 224-3331
Paul Diener, Manager of Utilities
customers: 1,892
nameplate capacity (kW): oil 10,750
1987 kWh generated: 1,107,000
1987 kWh purchased: 36,250,200
1987 kWh sold: 33,952,540
1987 revenues: $3,710,000
established 1955

Sitka, City & Borough of
304 Lake St., Room 112
Sitka, Alaska 99835
(907) 747-3294
Stuart Denslow, City Administrator
customers: 3,579
nameplate capacity (kW): oil 8,700; hydro 24,600
1987 kWh generated: 104,276,000
1987 kWh purchased: 0
1987 kWh sold: 94,641,953
1987 revenues: $6,326,000
established 1941

Thorne Bay, City of
Box 110
Thorne Bay, Alaska 99919
(907) 828-3380
Neil J. Trautman, Director of Public Works
customers: 189
nameplate capacity: unavailable
1987 kWh generated: 1,434,877
1987 kWh purchased: 0
1987 kWh sold: 1,302,050
1987 revenues: $434,000
established 1983

Tlingit Haida Regional Electric Authority
Box 210149
Auke Bay, Alaska 99821-0149
(907) 789-3196
Jarrett D. Broughton, General Manager
customers: 1,240
nameplate capacity: unavailable
1987 kWh generated: 10,513,000
1987 kWh purchased: 0
1987 kWh sold: 8,998,000
1987 revenues: $3,008,039
established 1977

Unalaska, City of
Box 89
Unalaska, Alaska 99685
(907) 581-1260
Jim Taylor, Electric Administrator
customers: 387
nameplate capacity: unavailable
1987 kWh generated: 14,234,160
1987 kWh purchased: 0
1987 kWh sold: 13,225,988
1987 revenues: $1,595,000
established 1970

Wrangell, City of
Box 531
Wrangell, Alaska 99929
(907) 874-2381
Frank Fields, Superintendent
customers: 1,197
nameplate capacity (kW): oil 8,700
1987 kWh generated: 17,804,000
1987 kWh purchased: 0
1987 kWh sold: 17,463,595
1987 revenues: $1,427,000

AMERICAN SAMOA

American Samoa Power Authority†°
Box PPB
Pago Pago, American Samoa 96799
(684) 633-5251
Abe U. Malae, Executive Director
customers: 6,983
nameplate capacity (kW): oil 42,100
1987 kWh generated: 82,000,000
1987 kWh purchased: 0
1987 kWh sold: 66,000,000
1987 revenues: $9,899,000

ARIZONA

Aguila Irrigation District
Box 263
Aguila, Ariz. 85320
Henry Brubaker
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Ak-Chin Indian Community
Route 2, Box 27
Maricopa, Ariz. 85239
Charles Carlyle
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Arizona Power Authority°
1810 W. Adams St., Box 6708
Phoenix, Ariz. 85005
(602) 542-4263
Lester S. Ormsby, Administrator
customers: wholesale only
1987 kWh generated: 0
1987 kWh purchased: 815,093,000
1987 kWh sold: 784,192,000
1987 revenues: $12,163,000
established 1944

Aura Valley Irrigation & Drainage District
Box 97
Marana, Ariz. 85653-0097
John Kai
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Buckeye Water Conservation & Drainage District
Box 726
Buckeye, Ariz. 8326
R. M. Narromore
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Central Arizona Water Conservation District
23636 N. 7th St.
Phoenix, Ariz. 85024
Tom Clark
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Chandler Heights Citrus Irrigation District
Box 38
Chandler Heights, Ariz. 85227
Dan Kleinman
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Fredonia, Town of
Box 217
Fredonia, Ariz. 86022
(602) 643-7241
Barbara Kimball, Town Clerk
customers: 550
1987 kWh generated: 0
1987 kWh purchased: 7,372,839
1987 kWh sold: 5,540,979
1987 revenues: $538,453
established 1987

Harquahala Valley Power District
Star Route 2, Box 397
Buckeye, Ariz. 85326
Steve Pavich
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Maricopa County, Electrical District No. 5 of
9 W. Pepper Place
Mesa, Ariz. 85201
Vern Nicholas
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Maricopa County, Electrical District No. 7 of
County of Maricopa, Route 1, Box 662
Peoria, Ariz. 85345
(602) 935-3711
R. D. Justice, Vice Chairman/Manager
customers: 100
1987 kWh generated: 0
1987 kWh purchased: 51,159,550
1987 kWh sold: 50,519,757
1987 revenues: $1,343,000
established 1948

Maricopa County, Electrical District No. 8 of°
1001 N. Central Ave., # 601
Phoenix, Ariz. 85004
(602) 258-8401
Douglas C. Nelson, Counsel
customers: 165
1987 kWh generated: 0
1987 kWh purchased: 43,752,157
1987 kWh sold: 41,188,000
1987 revenues: $1,972,355
established 1987

Maricopa Water District°
Box 260
Waddell, Ariz. 85355
(602) 975-2151
Joe A. Falbo, General Manager
customers: 135
1987 kWh generated: 0
1987 kWh purchased: 45,084,500
1987 kWh sold: 27,972,315
1987 revenues: $1,403,000
established 1935

McMullen Valley Water Conservation & Drainage District
Box 21539
Wickenburg, Ariz. 85358
Mary Urrea
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Mesa, City of°
55 N. Center St., Box 1466
Mesa, Ariz. 85211
(602) 644-2265
Richard R. Williams, Manager
customers: 13,502
1987 kWh generated: 0
1987 kWh purchased: 309,501,687
1987 kWh sold: 279,744,703
1987 revenues: $17,739,000
established 1917

Navajo Tribal Utility Authority†°
Box 170
Fort Defiance, Ariz. 86504
(602) 729-5721
Malcolm P. Dalton, General Manager
customers: 25,778
1987 kWh generated: 0
1987 kWh purchased: 524,660,487
1987 kWh sold: 462,563,970
1987 revenues: $26,534,000
established 1966

Ocotillo Water Conservation District
Bogle Farms, Drawer 490
Chandler, Ariz. 85244-0490
Jackson Bogle, President
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Page, City of†°
148 6th Ave.
Page, Ariz. 86040
(602) 645-2419
William Kent Romney, General Manager
customers: 2,942
1987 kWh generated: 0
1987 kWh purchased: 59,795,861
1987 kWh sold: 56,314,107
1987 revenues: $4,560,000
established 1985

Papago Tribal Utility Authority
Box 816
Sells, Ariz. 85634
(602) 383-2236
Jerrel D. Huey, General Manager
customers: 2,991
1987 kWh generated: 0
1987 kWh purchased: 59,710,608
1987 kWh sold: 55,454,162
1987 revenues: $3,301,000
established 1974

Pinal County, Electrical District No. 1 of°
Box 870
Stanfield, Ariz. 85272
(602) 424-3337
O.L. "Van" Tenney, Manager

customers: 60
1987 kWh generated: 0
1987 kWh purchased: 15,250,445
1987 kWh sold: 14,337,287
1987 revenues: $650,000

Pinal County, Electrical District No. 2 of*
Box 548
Coolidge, Ariz. 85228
(602) 723-7741
William J. Metheny, General Manager
customers: 2,443
1987 kWh generated: 0
1987 kWh purchased: 180,493,500
1987 kWh sold: 170,213,064
1987 revenues: $6,856,000
established 1926

Pinal County, Electrical District No. 3 of*
Box 870
Stanfield, Ariz. 85272
(602) 424-3337
O.L. "Van" Tenney, General Manager
customers: 456
1987 kWh generated: 0
1987 kWh purchased: 186,925,034
1987 kWh sold: 175,880,152
1987 revenues: $4,865,000
established 1961

Pinal County, Electrical District No. 4 of
231 S. Sunshine Blvd.
Eloy, Ariz. 85231
(602) 466-7336
James R. Sweeney, Manager
customers: 472
1987 kWh generated: 0
1987 kWh purchased: 123,297,049
1987 kWh sold: 112,955,852
1987 revenues: $2,546,000
established 1936

Pinal County, Electrical District No. 5 of
Box 8
Red Rock, Ariz. 85245
(602) 682-3442
William Woehlecke, Secretary/Manager
customers: 278
1987 kWh generated: 0
1987 kWh purchased: 78,710,739
1987 kWh sold: 72,573,348
1987 revenues: $1,211,000
established 1949

Pinal County, Electrical District No. 6 of
4444 N. 32nd St., Suite 200
Phoenix, Ariz. 85011
(602) 956-8878
Newell Barney, Secretary-Treasurer
customers: 175
1987 kWh generated: 0
1987 kWh purchased: 87,774,525
1987 kWh sold: 77,800,821
1987 revenues: $4,257,000
established 1965

Queen Creek Irrigation District
Box 690
Queen Creek, Ariz. 85242
Dean Griffith, General Manager
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Roosevelt Irrigation District
Box 95
Buckeye, Ariz. 85326
(602) 935-4271
Stanley Ashby, Superintendent
customers: 99
1987 kWh generated: 0
1987 kWh purchased: 54,230,990
1987 kWh sold: 11,551,208
1987 revenues: $693,000
established 1928

Safford, City of*
717 Main St.
Safford, Ariz. 85546
(602) 428-2762
Charles B. Pratt, Director, Electrical Services
customers: 3,172
nameplate capacity (kW): oil 8,000
1987 kWh generated: 0
1987 kWh purchased: 41,058,918
1987 kWh sold: 35,366,984
1987 revenues: $3,193,000
established 1937

Salt River Project†*
Box 52025
Phoenix, Ariz. 85072
(602) 236-5900
A. J. Pfister, General Manager
customers: 489,913
nameplate capacity (kW): gas 1,362,200; coal 4,385,030; hydro 238,200; nuclear 467,507
1987 kWh generated: 14,509,051,000
1987 kWh purchased: 2,629,792,436
1987 kWh sold: 16,079,108,698
1987 revenues: $926,391,000
established 1909

San Carlos Irrigation Project
Box 250
Coolidge, Ariz. 85228
Ralph Esquerra
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

San Tan Irrigation District
Box 6
Chandler Heights, Ariz. 85227
R. A. Simons
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Silverbell Irrigation & Drainage District
7225 N. Oracle Rd., # 200 A
Tucson, Ariz. 85704-6324
Werner G. Goering, President
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Thatcher, City of†*
230 College Ave.
Thatcher, Ariz. 85552
(602) 428-2290
Terry Hinton, Manager
customers: 632
1987 kWh generated: 0
1987 kWh purchased: 10,014,308
1987 kWh sold: 8,333,092
1987 revenues: $712,000
established 1946

Tonopah Irrigation District
Box 58
Tonopah, Ariz. 85354
President
customers: 0
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Wellton-Mohawk Irrigation and Drainage District†*
Rte. 1, Box 19
Wellton, Ariz. 85356
(602) 785-3351
Clyde L. Gould, General Manager
customers: 2,888
nameplate capacity: unavailable
1987 kWh generated: 10,000
1987 kWh purchased: 153,181,000
1987 kWh sold: 48,886,000
1987 revenues: $3,058,000
established 1942

Wickenburg, Town of
120 E. Apache St., Box 1269
Wickenburg, Ariz. 85358
(602) 684-5451
Benjamin J. Nardelli, Town Manager
customers: 1,274
nameplate capacity (kW): hydro 2,000
1987 kWh generated: 0
1987 kWh purchased: 19,744,000
1987 kWh sold: 19,179,000
1987 revenues: $1,582,000
established 1947

Yakima Indian Reservation, U.S. Bureau of Indian Affairs
255 W. Roosevelt Ave., Box 456
Coolidge, Ariz. 85228
(602) 723-5439
Ralph Esquerra, Project Engineer
customers: 10,144
1987 kWh generated: 0
1987 kWh purchased: 243,574,500
1987 kWh sold: 198,919,000
1987 revenues: $13,533,000

ARKANSAS

Augusta, City of
100 S. Fourth St.
Augusta, Ark. 72006
(501) 347-2041
Ronald Stracner, Manager
customers: 1,350
nameplate capacity (kW): oil 1,106; gas 22,636
1987 kWh generated: 0
1987 kWh purchased: 16,935,473
1987 kWh sold: 14,757,467
1987 revenues: $1,106,432

Benton, City of
222 W. South St.
Benton, Ark. 72015
(501) 778-2546
E. L. Cody, Operations Superintendent
customers: 7,568
nameplate capacity (kW): oil 8,800
1987 kWh generated: 56,650
1987 kWh purchased: 128,251,200
1987 kWh sold: 110,944,320
1987 revenues: $9,257,000
established 1918

Bentonville, City of
115 W. Central Ave.
Bentonville, Ark. 72712
(501) 273-9061
Wallace Allen, Electrical Superintendent
customers: 8,126
1987 kWh generated: 0
1987 kWh purchased: 145,320,000
1987 kWh sold: 142,037,885
1987 revenues: $5,339,000
established 1902

Clarksville Light & Water Co.*
Box 99
Clarksville, Ark. 72830
(501) 754-3148
Hugh W. Harrison, General Manager
customers: 2,738
1987 kWh generated: 0
1987 kWh purchased: 88,922,400
1987 kWh sold: 79,138,349
1987 revenues: $4,468,000
established 1932

Conway Corp.*
1319 Prairie St., Box 99
Conway, Ark. 72032
(501) 329-5641
James H. Brewer, General Manager
customers: 10,782
nameplate capacity (kW): gas 11,000
1987 kWh generated: 307,509,820
1987 kWh purchased: 33,918,919
1987 kWh sold: 304,114,945
1987 revenues: $16,946,000
established 1929

Hope, City of†*
Box 667
Hope, Ark. 71801
(501) 777-6701
James R. Kirchhoff, Utility Manager
customers: 6,140
nameplate capacity (kW): gas 6,000
1987 kWh generated: 0
1987 kWh purchased: 148,831,200
1987 kWh sold: 136,075,181
1987 revenues: $10,081,000
established 1910

Jonesboro, City of*
400 E. Monroe St.
Jonesboro, Ark. 72401
(501) 935-5581
James A. Reed, Manager
customers: 17,286
nameplate capacity (kW): oil 1,000; gas 28,000; coal 80,000
1987 kWh generated: 201,697,800
1987 kWh purchased: 391,757,000
1987 kWh sold: 776,951,043
1987 revenues: $27,805,000
established 1906

North Little Rock, City of*
Eighth & Main Sts., Box 159
North Little Rock, Ark. 72115
(501) 372-0100
Cathern Wilkins, General Manager
customers: 33,917
1987 kWh generated: 0
1987 kWh purchased: 730,198,013
1987 kWh sold: 690,276,641
1987 revenues: $49,494,000
established 1903

Osceola, City of*
316 W. Hale St.
Osceola, Ark. 72370
(501) 563-5245
Jack L. Wilson, Manager
customers: 3,496
nameplate capacity (kW): oil 6,000; coal 400,000
1987 kWh generated: 0

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

1987 kWh purchased: 135,241,398
1987 kWh sold: 124,279,875
1987 revenues: $6,975,000
established 1928

Paragould, City of*
303 W. Court St.
Paragould, Ark. 72450
(501) 236-8571
Larry Watson, Manager
customers: 8,827
nameplate capacity (kW): gas 4,500
1987 kWh generated: 0
1987 kWh purchased: 254,007,000
1987 kWh sold: 251,776,000
1987 revenues: $7,352,000
established 1938

Paris, City of
100 N. Express, Box 271
Paris, Ark. 72855
(501) 963-2450
James O'Bar, Manager
customers: 1,768
1987 kWh generated: 0
1987 kWh purchased: 39,204,262
1987 kWh sold: 34,407,547
1987 revenues: $1,864,000

Piggott, City of†*
411 N. Thornton
Piggott, Ark. 72454
(501) 598-2997
Teddy F. Bellers, Manager
customers: 2,062
nameplate capacity (kW): oil 7,600
1987 kWh generated: 41,000
1987 kWh purchased: 13,298,514
1987 kWh sold: 32,977,031
1987 revenues: $1,504,000
established 1923

Prescott, City of
118 W. Elm St.
Prescott, Ark. 71857
(501) 887-2210
Larry Stockton, General Manager
customers: 1,764
nameplate capacity (kW): oil 1,092
1987 kWh generated: 0
1987 kWh purchased: 25,397,200
1987 kWh sold: 22,439,037
1987 revenues: $2,052,000
established 1921

Siloam Springs, City of*
410 N. Broadway St., Box 80
Siloam Springs, Ark. 72761
(501) 524-5136
Stuart P. Thomas, Director of Public Works
customers: 4,025
1987 kWh generated: 0
1987 kWh purchased: 140,218,865
1987 kWh sold: 133,610,101
1987 revenues: $7,737,000
established 1901

West Memphis, City of
604 E. Cooper St.
West Memphis, Ark. 72301
(501) 735-3355
William M. Johnson, Manager
customers: 11,311
nameplate capacity (kW): oil 700; coal 1,600
1987 kWh generated: 175,392,720
1987 kWh purchased: 126,166,196
1987 kWh sold: 263,968,879
1987 revenues: $16,649,000

CALIFORNIA

Alameda, City of†*
Drawer H
Alameda, Calif. 94501
(415) 522-7411
William C. Lewis, General Manager
customers: 30,588
1987 kWh generated: 0
1987 kWh purchased: 458,436,990
1987 kWh sold: 441,122,720
1987 revenues: $30,492,000
established 1887

Anaheim, City of†*
200 S. Anaheim Blvd., Box 3222
Anaheim, Calif. 92803
(714) 999-5100
Gordon W. Hoyt, General Manager
customers: 95,975
nameplate capacity (kW): nuclear 349,370;
1987 kWh generated: 430,566,962
1987 kWh purchased: 2,130,667,408
1987 kWh sold: 2,468,234,715
1987 revenues: $176,416,000
established 1895

Azusa, City of*
777 N. Alameda Ave.
Azusa, Calif. 91702
(818) 334-0215
Joseph F. Hsu, Director of Utilities
customers: 12,534
nameplate capacity: unavailable
1987 kWh generated: 6,941,000
1987 kWh purchased: 178,772,000
1987 kWh sold: 177,096,562
1987 revenues: $16,116,000
established 1898

Banning, City of*
176 E. Lincoln, Box 998
Banning, Calif. 92220
(714) 922-1245
Tim Dempsey, Director of Public Utilities
customers: 6,597
1987 kWh generated: 0
1987 kWh purchased: 76,564,800
1987 kWh sold: 70,056,177
1987 revenues: $6,538,000
established 1923

Biggs, City of*
464 B St.
Biggs, Calif. 95917
(916) 868-5493
Harold G. Mayfield, Director of Public Works
customers: 578
1987 kWh generated: 0
1987 kWh purchased: 9,513,156
1987 kWh sold: 8,371,323
1987 revenues: $621,000

Burbank, City of†*
164 W. Magnolia Blvd., Box 631
Burbank, Calif. 91503
(818) 953-9640
Ronald V. Stassi, General Manager
customers: 45,438
nameplate capacity (kW): gas 252,600; other 10,000
1987 kWh generated: 277,011,000
1987 kWh purchased: 795,162,000
1987 kWh sold: 987,047,726
1987 revenues: $70,513,000
established 1913

Calaveras County Water District*
Box 846
San Andreas, Calif. 95249
(209) 754-3543
Steve Felte, General Manager
customers: not available
nameplate capacity (kW): hydro 1,000
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1947

California Department of Water Resources*
1416 Ninth St., Box 388
Sacramento, Calif. 95814
(916) 445-3758
David N. Kennedy, Director
customers: wholesale only
nameplate capacity (kW): coal 77,292; hydro 1,423,490; other 55,000
1987 kWh generated: 3,955,170,000
1987 kWh purchased: 897,842,583
1987 kWh sold: 2,657,594,000
1987 revenues: $52,331,000
established 1958

Colton, City of*
650 N. La Cadena Drive
Colton, Calif. 92324
(714) 370-5104
Gale Drews, Electric Utility Director
customers: 13,162
nameplate capacity: unavailable
1987 kWh generated: 9,940,577
1987 kWh purchased: 158,935,423
1987 kWh sold: 153,709,908
1987 revenues: $13,457,000
established 1897

East Bay Municipal Utility District*
2130 Adeline St., Box 24055
Oakland, Calif. 94607
(415) 891-0647
Jon A. Myers, Manager
customers: wholesale only
nameplate capacity (kW): hydro 34,400
1987 kWh generated: 12,671,000
1987 kWh purchased: 0
1987 kWh sold: 11,439,000
1987 revenues: $255,000
established 1930

Escondido, City of
Civic Center Plaza, 201 N. Broadway
Escondido, Calif. 92025
(619) 741-4661
Lola M. Rollins, Secretary
customers: 1
nameplate capacity: unavailable
1987 kWh generated: 8,589,600
1987 kWh purchased: 0
1987 kWh sold: 8,589,600
1987 revenues: $577,000

Glendale, City of*
119 N. Glendale Ave.
Glendale, Calif. 91206
(818) 956-4868
W. E. Cameron, Director, Public Service
customers: 73,974
nameplate capacity (kW): oil 176,000; gas 81,500; other 41,800
1987 kWh generated: 190,856,000
1987 kWh purchased: 751,977,000
1987 kWh sold: 864,505,027
1987 revenues: $61,528,000
established 1909

Gridley, City of
685 Kentucky St.
Gridley, Calif. 95948
(916) 846-5695
Evelene D. Payne, City Administrator
customers: 1,809
1987 kWh generated: 0
1987 kWh purchased: 28,355,977
1987 kWh sold: 26,138,993
1987 revenues: $1,899,000
established 1910

Hayfork Valley Public Utility District*
Highway 3, Box 356
Hayfork, Calif. 96041
(916) 628-4454
Melissa Rau, Account Clerk
customers: 485
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1988

Healdsburg, City of*
Box 578
Healdsburg, Calif. 95448
(707) 433-9425
William Duarte, Electric Utility Director
customers: 4,410
1987 kWh generated: 0
1987 kWh purchased: 58,185,000
1987 kWh sold: 53,279,858
1987 revenues: $4,187,000
established 1900

Imperial Irrigation District*
333 E. Barioni Blvd., Box 937
Imperial, Calif. 92251
(619) 339-9242
Charles Shreves, General Manager
customers: 63,942
nameplate capacity (kW): oil 60,726; gas 331,400; hydro 85,645
1987 kWh generated: 753,527,876
1987 kWh purchased: 894,368,990
1987 kWh sold: 1,561,295,000
1987 revenues: $102,387,000
established 1915

Kings River Conservation District*
4886 E. Jensen Ave.
Fresno, Calif. 93725
(209) 237-5567
Jeff L. Taylor, General Manager
customers: not available
nameplate capacity: unavailable
1987 kWh generated: 255,898,051
1987 kWh purchased: 0
1987 kWh sold: 255,898,051
1987 revenues: $1,945,000
established 1951

Lassen Municipal Utility District
Box 361
Susanville, Calif. 96130
(916) 257-4174
George Sargent, General Manager
customers: 9,000
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1988

Lodi, City of*
221 W. Pine St.
Lodi, Calif. 95240
(209) 333-6761
Henry J. Rice, Electric Utility Director
customers: 20,295
1987 kWh generated: 0
1987 kWh purchased: 305,576,460
1987 kWh sold: 290,251,201
1987 revenues: $22,142,000
established 1910

Lompoc, City of*
100 Civic Center Plaza
Lompoc, Calif. 93438
(805) 736-1261
Gene L. Wahlers, City Administrator
customers: 11,968
1987 kWh generated: 0
1987 kWh purchased: 109,994,880
1987 kWh sold: 99,521,232
1987 revenues: $8,913,000
established 1923

Los Angeles, City of*
111 N. Hope St., Box 111
Los Angeles, Calif. 90051
(213) 481-4211
Norman E. Nichols, Asst. General Manager—Power
customers: 1,291,244
nameplate capacity (kW): gas 3,458,020; coal 333,898; hydro 1,588,300;
nuclear 79,971; other 2,500
1987 kWh generated: 20,213,246,000
1987 kWh purchased: 3,232,522,000
1987 kWh sold: 20,834,115,000
1987 revenues: $1,439,000,000
established 1925

Merced Irrigation District
2423 Canal St., Box 2288
Merced, Calif. 95340
(209) 378-2421
Tom Rita, Manager
customers: wholesale only
nameplate capacity (kW): hydro 93,600
1987 kWh generated: 232,523,032
1987 kWh purchased: 0
1987 kWh sold: 231,058,187
1987 revenues: $5,005,000
established 1919

Metropolitan Water District of Southern California
1111 Sunset Blvd., Box 54153 Terminal Annex
Los Angeles, Calif. 90012
(213) 250-6229
Carl Boronkay, General Manager
customers: 1
nameplate capacity: unavailable
1987 kWh generated: 1,899,838,428
1987 kWh purchased: 782,088,655
1987 kWh sold: 340,217,542
1987 revenues: $16,439,000

Modesto Irrigation District*
1231 11th St., Box 4060
Modesto, Calif. 95352
(209) 578-1212
Joseph Marcotte, Chief Executive Officer
customers: 76,755
nameplate capacity (kW): oil 142,400; hydro 3,570
1987 kWh generated: 195,427,783
1987 kWh purchased: 1,369,104,528
1987 kWh sold: 1,499,465,553
1987 revenues: $81,143,000
established 1923

Needles, City of
911 Broadway Ave., Box 338
Needles, Calif. 92363
(619) 326-2113
Vernon Bailey, City Manager
customers: 2,333
1987 kWh generated: 0
1987 kWh purchased: 46,488,000
1987 kWh sold: 45,471,000
1987 revenues: $4,010,000
established 1983

Oroville-Wyandotte Irrigation District
2310 Quincy Road, Box 581
Oroville, Calif. 95965
(916) 534-1221
Steven C. Onken, Power Superintendent
customers: wholesale only
nameplate capacity (kW): hydro 103,100
1987 kWh generated: 327,246,349
1987 kWh purchased: 0
1987 kWh sold: 327,246,349
1987 revenues: $5,886,000
established 1963

Palo Alto, City of†*
250 Hamilton Ave.
Palo Alto, Calif. 94301
(415) 329-2273
Richard L. Young, Director of Utilities
customers: 26,560
1987 kWh generated: 0
1987 kWh purchased: 1,037,734,474
1987 kWh sold: 965,500,936
1987 revenues: $58,540,000
established 1900

Pasadena, City of†*
150 S. Los Robles, Suite 200
Pasadena, Calif. 91101
(818) 405-4005
David C. Plumb, General Manager
customers: 54,686
nameplate capacity (kW): oil 259,000; hydro 3,000
1987 kWh generated: 371,726,000
1987 kWh purchased: 807,419,000
1987 kWh sold: 1,020,058,325
1987 revenues: $68,089,000
established 1906

Placer County Water Agency
Soap & Harrison Sts., Box 667
Foresthill, Calif. 95631
(916) 367-2291
Stephen J. Jones, Power Systems Manager
customers: wholesale only
nameplate capacity (kW): hydro 211,595
1987 kWh generated: 370,110,092
1987 kWh purchased: 0
1987 kWh sold: 368,159,796
1987 revenues: $6,739,000
established 1966

Redding, City of*
760 Parkview Ave.
Redding, Calif. 96001
(916) 225-4300
Sam Lindley, Director, Electric Department
customers: 28,426
1987 kWh generated: 0
1987 kWh purchased: 565,329,378
1987 kWh sold: 543,148,508
1987 revenues: $30,180,000
established 1921

Riverside, City of†*
3900 Main St.
Riverside, Calif. 92522
(714) 782-5781
Bill D. Carnahan, Public Utilities Director
customers: 80,182
nameplate capacity (kW): nuclear 201,733;
1987 kWh generated: 276,667,376
1987 kWh purchased: 1,021,291,024
1987 kWh sold: 1,226,937,977
1987 revenues: $113,862,000
established 1911

Roseville, City of*
311 Vernon St.
Roseville, Calif. 95678
(916) 783-9151
Kenneth A. Weisel, Manager of Electric Utility
customers: 15,923
1987 kWh generated: 0
1987 kWh purchased: 308,565,198
1987 kWh sold: 283,483,846
1987 revenues: $18,362,000
established 1912

Sacramento Municipal Utility District*
6201 S St., Box 15830
Sacramento, Calif. 95817
(916) 452-3211
David Boggs, General Manager
customers: 407,635
nameplate capacity (kW): oil 74,200; hydro 614,100; nuclear 963,000; other 985,000
1987 kWh generated: 1,513,345,000
1987 kWh purchased: 6,274,386,000
1987 kWh sold: 7,418,577,000
1987 revenues: $499,203,000
established 1947

Santa Clara, City of†*
1500 Warburton Ave.
Santa Clara, Calif. 95050
(408) 984-3161
James W. Beck, Director of Electric Utility
customers: 42,793
nameplate capacity: unavailable
1987 kWh generated: 48,504,253
1987 kWh purchased: 2,175,038,093
1987 kWh sold: 2,091,864,657
1987 revenues: $130,186,000
established 1896

Shasta Dam Area Public Utility District*
1650 Stanton Drive
Central Valley, Calif. 96019
(916) 275-8827
Ron Young, General Manager
customers: 3,487
1987 kWh generated: 0
1987 kWh purchased: 60,632,363
1987 kWh sold: 55,728,878
1987 revenues: $3,172,000
established 1945

Trinity County Public Utility District*
Box 1216
Weaverville, Calif. 96093
(916) 623-5536
Jeff Shields, General Manager
customers: 1,704
1987 kWh generated: 0
1987 kWh purchased: 31,298,049
1987 kWh sold: 29,352,006
1987 revenues: $1,859,000
established 1982

Truckee-Donner Public Utility District*
Box 309
Truckee, Calif. 95734
(916) 587-3896
Peter L. Holzmeister, General Manager
customers: 6,416
1987 kWh generated: 0
1987 kWh purchased: 88,656,100
1987 kWh sold: 81,640,209
1987 revenues: $7,114,988
established 1927

Tuolumne County Public Power Agency
Two S. Green St.
Sonora, Calif. 95370
(209) 533-5511
Dominic Salluce, Agency Coordinator
customers: 30
1987 kWh generated: 0
1987 kWh purchased: 15,000,000
1987 kWh sold: 15,000,000
1987 revenues: $902,000

Turlock Irrigation District*
333 E. Canal Drive
Turlock, Calif. 95380
(209) 632-3861
Ernest Geddes, General Manager
customers: 51,029
nameplate capacity (kW): gas 50,000; hydro 149,400;
1987 kWh generated: 304,060,667
1987 kWh purchased: 786,671,690
1987 kWh sold: 980,747,732
1987 revenues: $52,585,000
established 1922

Ukiah, City of*
203 S. School St.
Ukiah, Calif. 95482
(707) 462-2971
Maurice K. Roper, Director of Electric Utility
customers: 6,680
nameplate capacity: unavailable
1987 kWh generated: 6,817,758
1987 kWh purchased: 93,330,934
1987 kWh sold: 94,442,440
1987 revenues: $7,941,000
established 1897

Vernon, City of*
4305 Santa Fe Ave.
Vernon, Calif. 90058
(213) 582-8811
Lewis R. Adams, Director of Water & Power
customers: 2,084
nameplate capacity: unavailable
1987 kWh generated: 12,994,741
1987 kWh purchased: 1,132,188,215
1987 kWh sold: 1,110,713,458
1987 revenues: $59,661,000
established 1933

Yuba County Water Agency
215 Fifth St., Box 1569
Marysville, Calif. 95901
(916) 692-1633
Daryl D. Sutton, Manager
customers: wholesale only
nameplate capacity (kW): hydro 370,650
1987 kWh generated: 614,699,000
1987 kWh purchased: 0
1987 kWh sold: 614,166,000
1987 revenues: $7,700,000
established 1966

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

CANAL ZONE

Panama Canal Commission
Building 66A, APO
Miami, Fla. 34011-5000
011-507-52-4421
Rene Van Hoorde, Chief, Electric Division
customers: 2,579
nameplate capacity: unavailable
1987 kWh generated: 5,388,794,000
1987 kWh purchased: 7,897,000
1987 kWh sold: 0
1987 revenues: $0
established 1914

COLORADO

Aspen, City of*
130 S. Galena St.
Aspen, Colo. 81611
(303) 925-2020
Jay Hammond, Public Service Director
customers: 2,258
nameplate capacity (kW): hydro 5,000
1987 kWh generated: 21,278,538
1987 kWh purchased: 32,988,501
1987 kWh sold: 46,369,219
1987 revenues: $3,220,000
established 1896

Burlington, City of
480 15th St.
Burlington, Colo. 80807
(719) 346-8585
Merle Wordon, Administrator
customers: 1,642
nameplate capacity (kW): oil 7,550
1987 kWh generated: 67,500
1987 kWh purchased: 2,210,756
1987 kWh sold: 18,884,914
1987 revenues: $17,666,000
established 1920

Center, City of†*
400 S. Worth, Box 400
Center, Colo. 81125
(719) 754-3497
Darrell T. Davis, Superintendent of Utilities
customers: 902
nameplate capacity (kW): oil 1,500;
1987 kWh generated: 0
1987 kWh purchased: 11,016,000
1987 kWh sold: 9,297,000
1987 revenues: $485,000
established 1941

Colorado Springs, City of*
30 S. Nevada Ave., Box 1103
Colorado Springs, Colo. 80947
(719) 636-5300
Harold E. Miskel, Acting Utilities Director
customers: 141,367
nameplate capacity (kW): gas 82,600; coal 464,000; hydro 6,000
1987 kWh generated: 2,801,700,000
1987 kWh purchased: 270,385,000
1987 kWh sold: 2,923,745,000
1987 revenues: $121,485,000
established 1925

Delta, City of†*
1133 Main St., Box 19
Delta, Colo. 81416
(303) 874-8400
W. F. Mathews, Utilities Director
customers: 1,822
nameplate capacity (kW): oil 422; gas 4,535
1987 kWh generated: 453,500
1987 kWh purchased: 28,170,900
1987 kWh sold: 27,270,083
1987 revenues: $1,872,000
established 1937

Estes Park, Town of†*
Box 1200
Estes Park, Colo. 80517
(303) 586-5331
Robert L. Dekker, Director
customers: 6,496
nameplate capacity (kW): hydro 800
1987 kWh generated: 0
1987 kWh purchased: 74,396,571
1987 kWh sold: 71,736,002
1987 revenues: $4,621,000
established 1945

Fleming, City of†
Box 466
Fleming, Colo. 80728
(303) 265-2692
Rick Rigel, Utilities Superintendent
customers: 230
1987 kWh generated: 0
1987 kWh purchased: 1,995,200
1987 kWh sold: 1,441,054
1987 revenues: $102,000

Fort Collins, City of†*
700 Wood St., Box 580
Fort Collins, Colo. 80522
(303) 221-6700
Robert A. Kost, Light and Power Director
customers: 33,780
1987 kWh generated: 0
1987 kWh purchased: 644,032,180
1987 kWh sold: 620,609,505
1987 revenues: $32,208,000
established 1935

Fort Morgan, City of*
710 E. Railroad Ave.
Fort Morgan, Colo. 80701
(303) 867-3001
Glenn W. Calvert, City Superintendent
customers: 5,401
1987 kWh generated: 0
1987 kWh purchased: 117,474,876
1987 kWh sold: 100,375,805
1987 revenues: $3,082,000
established 1906

Fountain, City of
116 S. Main St.
Fountain, Colo. 80817
(719) 382-5604
Richard Heikes, Superintendent
customers: 9,220
1987 kWh generated: 0
1987 kWh purchased: 109,853,000
1987 kWh sold: 101,486,108
1987 revenues: $5,761,000

Frederick, Town of
Box 435
Frederick, Colo. 80530
(303) 833-2388
John McGinn, Town Manager
customers: 347
1987 kWh generated: 0
1987 kWh purchased: 4,370,000
1987 kWh sold: 4,370,000
1987 revenues: $305,984

Glenwood Springs, City of*
806 Cooper Ave.
Glenwood Springs, Colo. 81601
(303) 945-2575
Michael Copp, City Manager
customers: 4,403
1987 kWh generated: 0
1987 kWh purchased: 71,499,620
1987 kWh sold: 68,719,469
1987 revenues: $4,352,000
established 1953

Granada, Town of
109 E. Goff St., Box 258
Granada, Colo. 81041
(719) 734-5411
Thelma Schibbelnut, Clerk
customers: 276
1987 kWh generated: 0
1987 kWh purchased: 2,256,000
1987 kWh sold: 2,120,640
1987 revenues: $167,243

Gunnison, City of*
201 W. Virginia Ave.
Gunnison, Colo. 81230
(303) 641-2448
Dale Howard, City Manager
customers: 2,800
1987 kWh generated: 0
1987 kWh purchased: 45,682,583
1987 kWh sold: 42,803,750
1987 revenues: $1,983,000
established 1880

Haxtun, Town of
145 S. Colorado Ave., Box 205
Haxtun, Colo. 80731
(303) 774-6104
George E. Michael, Electric Superintendent
customers: 567
nameplate capacity (kW): oil 620
1987 kWh generated: 0
1987 kWh purchased: 6,736,780
1987 kWh sold: 5,235,257
1987 revenues: $229,000
established 1904

Holly, City of
Box 458
Holly, Colo. 81047
(719) 537-6622
Grant McCormick, Town Manager
customers: 642
nameplate capacity (kW): oil 330; gas 600
1987 kWh generated: 6,145,669
1987 kWh purchased: 0
1987 kWh sold: 5,338,826
1987 revenues: $396,000
established 1949

Holyoke, City of
207 W. Denver St.
Holyoke, Colo. 80734
(303) 854-2266
Allen Coyne, Superintendent
customers: 1,043
nameplate capacity (kW): oil 15,155
1987 kWh generated: 0
1987 kWh purchased: 18,585,600
1987 kWh sold: 17,564,879
1987 revenues: $535,000

Julesburg, City of
222 E. First St.
Julesburg, Colo. 80737
(303) 474-3344
Victor E. Johnson, Superintendent of Public Works
customers: 871
nameplate capacity (kW): oil 3,700;
1987 kWh generated: 0
1987 kWh purchased: 8,815,092
1987 kWh sold: 8,167,226
1987 revenues: $675,000

La Junta, City of*
601 Colorado Ave., Box 630
La Junta, Colo. 81050
(719) 384-8454
Robert H. Smith, Electric Superintendent
customers: 3,849
nameplate capacity (kW): oil 1,800; gas 17,500
1987 kWh generated: 0
1987 kWh purchased: 50,675,400
1987 kWh sold: 48,548,509
1987 revenues: $4,248,000
established 1939

Lamar, City of†*
100 N. Second St.
Lamar, Colo. 81052
(719) 336-7456
Donald W. McDaniel, Superintendent
customers: 5,456
nameplate capacity (kW): oil 2,000; gas 33,000
1987 kWh generated: 51,343,820
1987 kWh purchased: 37,931,845
1987 kWh sold: 82,732,847
1987 revenues: $5,920,000
established 1919

Las Animas, City of*
532 Carson Ave.
Las Animas, Colo. 81054
(719) 456-1621
Dwain Parrack, Superintendent
customers: 1,961
nameplate capacity (kW): oil 600; gas 5,100
1987 kWh generated: 154,800
1987 kWh purchased: 21,664,000
1987 kWh sold: 20,235,896
1987 revenues: $1,270,000
established 1941

Longmont, City of*
1100 S. Sherman St.
Longmont, Colo. 80501
(303) 776-6050
Jeffrey A. Gould, Utilities Director
customers: 22,158
nameplate capacity (kW): hydro 600
1987 kWh generated: 2,684,000
1987 kWh purchased: 350,693,000
1987 kWh sold: 337,835,000
1987 revenues: $17,594,000
established 1911

Loveland Electric Department*
446 N. Garfield
Loveland, Colo. 80537
(303) 667-6130
Brian H. Moeck, Electric Director
customers: 15,575
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1925

Lyons, Town of
Box 49
Lyons, Colo. 80540
(303) 823-6622
Herb McConnell, Public Works Director
customers: 547
1987 kWh generated: 0
1987 kWh purchased: 5,251,421
1987 kWh sold: 4,936,810
1987 revenues: $386,000

Oak Creek, Town of
Box 128
Oak Creek, Colo. 80467
(303) 736-8231
Nancy Crawford, Clerk
customers: 388
1987 kWh generated: 0

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

1987 kWh purchased: 4,022,877
1987 kWh sold: 3,464,897
1987 revenues: $261,000
established 1930

Springfield, City of†*
Box 4
Springfield, Colo. 81073
(303) 523-4528
Darwin Hansen, Electrical Superintendent
customers: 972
nameplate capacity (kW): gas 2,842
1987 kWh generated: 0
1987 kWh purchased: 9,629,059
1987 kWh sold: 8,780,319
1987 revenues: $593,000
established 1947

Trinidad, City of†*
135 N. Animas St.
Trinidad, Colo. 81082
(303) 846-9843
David Brunelli, Superintendent
customers: 4,500
nameplate capacity (kW): gas 7,550; coal 3,750
1987 kWh generated: 5,558,200
1987 kWh purchased: 33,815,108
1987 kWh sold: 35,885,209
1987 revenues: $3,005,000
established 1948

Wray, City of†*
245 W. Fourth St., Box 35
Wray, Colo. 80758
(303) 332-4431
Robert W. Snedeker, City Manager
customers: 1,192
nameplate capacity (kW): oil 1,600
1987 kWh generated: 0
1987 kWh purchased: 16,435,200
1987 kWh sold: 14,398,136
1987 revenues: $855,000
established 1903

Yuma, City of
221 S. Main St., Box 265
Yuma, Colo. 80759
(303) 848-3878
Paul Metcalf, City Manager
customers: 1,420
nameplate capacity (kW): oil 1,100
1987 kWh generated: 0
1987 kWh purchased: 16,915,584
1987 kWh sold: 15,065,559
1987 revenues: $886,000
established 1928

CONNECTICUT

Groton, City of†*
295 Meridian St., Box 820
Groton, Conn. 06340
(203) 445-8571
Director of Utilities
customers: 12,604
1987 kWh generated: 0
1987 kWh purchased: 610,740,900
1987 kWh sold: 601,764,866
1987 revenues: $37,948,000
established 1904

Jewett City, City of†*
9 E. Main St.
Jewett City, Conn. 06351
(203) 376-2955
Joseph M. Dudek, Superintendent
customers: 1,979
1987 kWh generated: 0
1987 kWh purchased: 18,569,183
1987 kWh sold: 16,764,086
1987 revenues: $1,479,000
established 1893

Norwalk, City of, Third Taxing District†*
2 Second St., Box 451
East Norwalk, Conn. 06855
(203) 866-9271
Donald H. Radley, General Manager
customers: 3,341
1987 kWh generated: 0
1987 kWh purchased: 55,597,997
1987 kWh sold: 50,747,706
1987 revenues: $5,231,000
established 1913

Norwich, City of†*
34 Courthouse Square
Norwich, Conn. 06360
(203) 887-2555
Richard E. Des Roches, General Manager
customers: 16,978
nameplate capacity (kW): oil 16,800; hydro 3,000
1987 kWh generated: 12,914,490
1987 kWh purchased: 262,927,080
1987 kWh sold: 258,642,064
1987 revenues: $21,176,000
established 1904

South Norwalk, City of, Second Taxing District†*
State St., Box 400
South Norwalk, Conn. 06856
(603) 866-3366
Larry Rossi, General Manager
customers: 5,401
nameplate capacity (kW): oil 15,300
1987 kWh generated: 1,151,676
1987 kWh purchased: 68,123,270
1987 kWh sold: 62,627,498
1987 revenues: $7,055,000
established 1892

Wallingford, Town of†*
100 John St.
Wallingford, Conn. 06492
(203) 265-1593
Raymond F. Smith, Director of Utilities
customers: 19,578
nameplate capacity (kW): oil 22,500
1987 kWh generated: 980,750
1987 kWh purchased: 468,847,800
1987 kWh sold: 468,899,127
1987 revenues: $35,148,000
established 1899

DELAWARE

Clayton, Town of
314 Main St.
Clayton, Del. 19938
(302) 653-8419
James H. Carson Jr., Council President
customers: 601
1987 kWh generated: 0
1987 kWh purchased: 5,491,774
1987 kWh sold: 4,994,671
1987 revenues: $478,000

Dover, City of†*
Box 475
Dover, Del. 19903
(302) 736-7070
John E. French, Electric Director
customers: 15,884
nameplate capacity (kW): oil 151,200
1987 kWh generated: 324,987,594
1987 kWh purchased: 58,773,000
1987 kWh sold: 418,311,232
1987 revenues: $23,487,000
established 1902

Lewes, City of
E. Third St.
Lewes, Del. 19958
(302) 645-6228
Ronald Donovan, General Manager
customers: 2,361
nameplate capacity (kW): oil 1,200
1987 kWh generated: 352,000
1987 kWh purchased: 46,392,000
1987 kWh sold: 39,168,925
1987 revenues: $2,775,000
established 1901

Middletown, Town of
216 N. Broad St.
Middletown, Del. 19709
(302) 378-2711
Joe Enrico, Town Superintendent
customers: 1,569
1987 kWh generated: 0
1987 kWh purchased: 22,592,741
1987 kWh sold: 19,811,334
1987 revenues: $1,671,000

Milford, City of
201 S. Walnut St., Box 159
Milford, Del. 19963
(302) 422-6616
John F. Frederick, City Manager
customers: 4,199
1987 kWh generated: 0
1987 kWh purchased: 111,259,748
1987 kWh sold: 99,701,518
1987 revenues: $7,809,441
established 1918

New Castle, City of†*
216 Chestnut St., Box 208
New Castle, Del. 19720
(302) 323-2332
Edward J. Murphy, Board Secretary
customers: 2,000
1987 kWh generated: 0
1987 kWh purchased: 19,213,000
1987 kWh sold: 18,441,000
1987 revenues: $1,653,000
established 1921

Newark, City of*
220 Elkton Road, Box 390
Newark, Del. 19711
(302) 366-7080
Carl Luft, City Manager
customers: 7,871
1987 kWh generated: 0
1987 kWh purchased: 235,883,473
1987 kWh sold: 214,131,504
1987 revenues: $14,903,000
established 1913

Seaford, City of
302 E. King St.
Seaford, Del. 19973
(302) 629-9173
Delores J. Slatcher, City Manager
customers: 2,908
nameplate capacity (kW): oil 6,700
1987 kWh generated: 8,190,500
1987 kWh purchased: 67,449,600
1987 kWh sold: 66,670,004
1987 revenues: $5,302,000

Smyrna, Town of
27 S. Market St., Box 307
Smyrna, Del. 19977
(302) 653-9231
Donald Hodge, Town Manager
customers: 2,224
1987 kWh generated: 0
1987 kWh purchased: 41,586,000
1987 kWh sold: 41,586,000
1987 revenues: $3,124,000
established 1893

FLORIDA

Alachua, City of*
US 441 & SR 235, Box 9
Alachua, Fla. 32615
(407) 462-1231
Francine Wright, Finance Director
customers: 1,774
1987 kWh generated: 0
1987 kWh purchased: 36,544,684
1987 kWh sold: 33,431,612
1987 revenues: $2,603,000
established 1960

Bartow, City of
450 N. Wilson Ave.
Bartow, Fla. 33830
(813) 533-0911
James R. O'Connor, City Manager
customers: 9,302
1987 kWh generated: 0
1987 kWh purchased: 210,969,479
1987 kWh sold: 191,522,826
1987 revenues: $14,855,000
established 1903

Blountstown, City of
125 W. Central Ave.
Blountstown, Fla. 32424
(904) 674-5488
Grant Gentry, City Manager
customers: 1,310
1987 kWh generated: 0
1987 kWh purchased: 21,740,000
1987 kWh sold: 20,155,692
1987 revenues: $1,532,000
established 1903

Bushnell, City of*
Box 115
Bushnell, Fla. 33513
(904) 793-2591
Lelman Shaw, Superintendent of Utilities
customers: 746
nameplate capacity: unavailable
1987 kWh generated: 2,580,488
1987 kWh purchased: 11,551,250
1987 kWh sold: 12,723,246
1987 revenues: $1,022,000
established 1921

Chattahoochee, City of*
22 Jefferson St., Box 188
Chattahoochee, Fla. 32324
(904) 663-4046
Millard Hampton, Superintendent
customers: 1,310
1987 kWh generated: 0
1987 kWh purchased: 37,102,000
1987 kWh sold: 35,993,791
1987 revenues: $2,131,000
established 1915

Clewiston, City of*
115 W. Ventura Ave.
Clewiston, Fla. 33440
(813) 983-9191
C. F. Blair, City Manager
customers: 3,674
1987 kWh generated: 0
1987 kWh purchased: 80,381,912
1987 kWh sold: 74,603,074
1987 revenues: $5,021,000
established 1942

Fort Meade, City of*
Box 856
Fort Meade, Fla. 33841
(813) 285-8191
Charles Saddler, City Manager
customers: 2,530
1987 kWh generated: 0
1987 kWh purchased: 34,930,000
1987 kWh sold: 30,984,027

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

1987 revenues: $2,480,000
established 1920

Fort Pierce Utilities Authority*
Box 3191
Fort Pierce, Fla. 34943
(407) 464-5600
Harry Schindehette, Director of Utilities
customers: 23,255
nameplate capacity (kW): oil 5,600; gas 105,616
1987 kWh generated: 53,157,000
1987 kWh purchased: 420,350,000
1987 kWh sold: 448,979,000
1987 revenues: $31,941,000
established 1911

Gainesville, City of†*
Box 490
Gainesville, Fla. 32602
(904) 374-2904
Gerald Warren II, General Manager
customers: 55,704
nameplate capacity (kW): gas 266,290; coal 250,750
1987 kWh generated: 1,562,936,300
1987 kWh purchased: 0
1987 kWh sold: 1,082,650,000
1987 revenues: $74,022,000
established 1912

Green Cove Springs, City of*
City Hall, 229 Walnut St.
Green Cove Springs, Fla. 32043
(904) 284-5621
Ted Biggs, Assistant City Manager
customers: 2,291
1987 kWh generated: 0
1987 kWh purchased: 79,332,033
1987 kWh sold: 70,946,000
1987 revenues: $5,147,000
established 1907

Havana Power & Light Co.*
711 N. Main St., Box 1068
Havana, Fla. 32333
(904) 539-6494
Cecil G. Trippe, Town Manager
customers: 1,158
1987 kWh generated: 0
1987 kWh purchased: 16,453,800
1987 kWh sold: 14,794,339
1987 revenues: $1,408,000
established 1926

Homestead, City of*
790 N. Homestead Blvd.
Homestead, Fla. 33030
(305) 247-1801
Rex W. Jerrim, Director of Utilities
customers: 15,008
nameplate capacity (kW): gas 59,400
1987 kWh generated: 61,650,976
1987 kWh purchased: 193,417,000
1987 kWh sold: 236,939,974
1987 revenues: $17,380,000
established 1926

Jacksonville Beach, City of*
11 N. Third St.
Jacksonville Beach, Fla. 32250
(904) 249-2381
Keith Roberts, Electric Utility Director
customers: 20,000
1987 kWh generated: 0
1987 kWh purchased: 385,442,140
1987 kWh sold: 353,514,690
1987 revenues: $18,767,051
established 1908

Jacksonville Electric Authority*
233 W. Duval St.
Jacksonville, Fla. 32202
(904) 633-5533
Royce Lyles, Managing Director
customers: 273,241
nameplate capacity (kW): oil 2,238,100; coal 679,000
1987 kWh generated: 2,209,190,700
1987 kWh purchased: 5,692,724,985
1987 kWh sold: 7,474,195,257
1987 revenues: $457,536,000
established 1895

Key West, City of*
1001 James St., Drawer 6100
Key West, Fla. 33041
(305) 294-5272
Robert R. Padron, Manager
customers: 20,803
nameplate capacity (kW): oil 137,690
1987 kWh generated: 220,924,084
1987 kWh purchased: 215,045,000
1987 kWh sold: 408,457,333
1987 revenues: $37,190,000
established 1943

Kissimmee Utility Authority*
Box 3219
Kissimmee, Fla. 32742
(407) 933-7777
James C. Welsh, General Manager
customers: 24,459
nameplate capacity (kW): oil 12,600; gas 44,000; coal 20,405; other 20,000
1987 kWh generated: 128,735,000
1987 kWh purchased: 381,854,000
1987 kWh sold: 470,775,128
1987 revenues: $42,934,000
established 1900

Lake Worth, City of*
114 College St.
Lake Worth, Fla. 33460
(407) 586-1703
Claude L'Engle, Director of Utilities
customers: 24,019
nameplate capacity (kW): oil 40,800; gas 95,490; other 10,000
1987 kWh generated: 372,133,161
1987 kWh purchased: 13,141,000
1987 kWh sold: 363,479,930
1987 revenues: $26,085,000
established 1916

Lakeland, City of†*
1000 E. Parker St.
Lakeland, Fla. 33801
(813) 687-3636
R. G. Siegel, Managing Director
customers: 80,152
nameplate capacity (kW): oil 62,350; gas 325,000; coal 534,400
1987 kWh generated: 1,355,963,000
1987 kWh purchased: 756,697,000
1987 kWh sold: 1,985,885,000
1987 revenues: $124,461,000
established 1904

Leesburg, City of*
504 W. Orange St., Box 630
Leesburg, Fla. 32748
(904) 787-4252
Joe M. Tardugno, Utility Superintendent
customers: 14,888
nameplate capacity (kW): nuclear 6,496
1987 kWh generated: 73,517,871
1987 kWh purchased: 261,848,110
1987 kWh sold: 316,866,131
1987 revenues: $21,771,000
established 1926

Moore Haven, City of*
99 River Drive, Box 399
Moore Haven, Fla. 33471
(813) 946-0711
Carmen Whitney, City Clerk
customers: 799
1987 kWh generated: 0
1987 kWh purchased: 14,379,400
1987 kWh sold: 11,126,521
1987 revenues: $1,123,000
established 1924

Mount Dora, City of
1250 N. Highland St.
Mount Dora, Fla. 32757
(904) 383-4221
Arthur Womble, Superintendent of Utilities
customers: 4,502
1987 kWh generated: 0
1987 kWh purchased: 59,878,000
1987 kWh sold: 56,503,024
1987 revenues: $4,916,000
established 1922

New Smyrna Beach Utilities Commission*
120 Sams Ave.
New Smyrna Beach, Fla. 32069
(904) 427-1361
R. Ronald Hagen, Director of Utilities
customers: 15,882
nameplate capacity (kW): oil 14,100; gas 5,300
1987 kWh generated: 34,677,110
1987 kWh purchased: 195,191,000
1987 kWh sold: 213,380,736
1987 revenues: $16,917,000
established 1922

Newberry, City of*
Central Ave.
Newberry, Fla. 32669
(904) 472-2161
Blaine Suggs, Director of Utilities
customers: 777
1987 kWh generated: 0
1987 kWh purchased: 21,777,000
1987 kWh sold: 20,178,180
1987 revenues: $1,456,000
established 1910

Ocala, City of*
Box 1270
Ocala, Fla. 32670
(904) 351-6600
Dean G. Shaw, Director
customers: 35,653
nameplate capacity (kW): nuclear 10,506
1987 kWh generated: 88,908,993
1987 kWh purchased: 714,051,616
1987 kWh sold: 752,243,419
1987 revenues: $52,078,000
established 1893

Orlando Utilities Commission*
Box 3193
Orlando, Fla. 32802
(407) 423-9100
T. C. Pope, General Manager
customers: 133,730
nameplate capacity (kW): gas 638,800; coal 558,600; nuclear 63,508
1987 kWh generated: 3,260,648,460
1987 kWh purchased: 448,256,070
1987 kWh sold: 3,383,996,249
1987 revenues: $210,487,000
established 1923

Quincy, City of
404 W. Jefferson St., Drawer 941
Quincy, Fla. 32351
(904) 627-7681
Otto Roberts, Director of Utilities
customers: 4,180
1987 kWh generated: 0
1987 kWh purchased: 133,616,000
1987 kWh sold: 126,318,364
1987 revenues: $6,867,000
established 1904

St. Cloud, City of*
924 Missouri Ave.
St. Cloud, Fla. 32769
(407) 892-2161
Ronald L. Waller, Electric Utility Administrator
customers: 10,697
nameplate capacity (kW): gas 29,000
1987 kWh generated: 29,378,554
1987 kWh purchased: 132,197,000
1987 kWh sold: 146,741,056
1987 revenues: $12,615,000
established 1916

Sebring Utilities Commission*
321 Mango St., Box 971
Sebring, Fla. 33871
(813) 385-0191
James E. Moothart, General Manager
customers: 11,860
nameplate capacity (kW): oil 55,391; gas 12,650; other 3,600
1987 kWh generated: 88,982,420
1987 kWh purchased: 91,573,000
1987 kWh sold: 167,861,082
1987 revenues: $15,017,000
established 1923

Starke, City of*
209 N. Thompson St., Drawer C
Starke, Fla. 32091
(904) 964-5027
William M. Weldon, Director, Electric System
customers: 2,451
nameplate capacity (kW): oil 1,000; gas 10,400
1987 kWh generated: 5,468,800
1987 kWh purchased: 48,127,000
1987 kWh sold: 46,087,813
1987 revenues: $3,958,000
established 1890

Tallahassee, City of†*
300 S. Adams St.
Tallahassee, Fla. 32301
(904) 599-8504
B. W. Wait III, Director, Electric Department
customers: 67,704
nameplate capacity (kW): oil 537,570; hydro 12,280
1987 kWh generated: 1,181,375,356
1987 kWh purchased: 449,379,000
1987 kWh sold: 1,530,040,290
1987 revenues: $113,418,000
established 1902

Vero Beach, City of*
100 17th St., Box 1389
Vero Beach, Fla. 32960
(407) 567-5151
John V. Little, City Manager
customers: 23,062
nameplate capacity (kW): oil 13,400; gas 117,000
1987 kWh generated: 62,723,000
1987 kWh purchased: 420,452,000
1987 kWh sold: 456,982,230
1987 revenues: $30,027,000
established 1919

Wauchula, City of*
Box 818
Wauchula, Fla. 33873
(813) 773-9426
Warren May Jr., Supervisor, Public Works
customers: 2,167
nameplate capacity (kW): oil 7,100

1987 kWh generated: 1,311,600
1987 kWh purchased: 48,065,000
1987 kWh sold: 41,532,490
1987 revenues: $3,209,000
established 1924

Williston, City of
Box 160
Williston, Fla. 32696
(904) 528-3060
Donald J. Tanner, City Manager
customers: 1,200
1987 kWh generated: 0
1987 kWh purchased: 21,773,000
1987 kWh sold: 20,278,550
1987 revenues: $1,805,000

GEORGIA

Acworth, City of
4375 Senator Russell Square
Acworth, Ga. 30101
(404) 974-3112
Jesse Barker, Superintendent
customers: 3,364
1987 kWh generated: 0
1987 kWh purchased: 23,807,826
1987 kWh sold: 23,807,826
1987 revenues: $2,147,000

Adel, City of*
Box 658
Adel, Ga. 31620
(912) 896-2646
John H. Flythe, City Manager
customers: 2,219
1987 kWh generated: 0
1987 kWh purchased: 77,760,000
1987 kWh sold: 68,034,000
1987 revenues: $4,018,000

Albany Water, Gas & Light Commission*
Box 1788
Albany, Ga. 31701
(912) 883-8330
U. W. Rodemann, General Manager
customers: 34,682
1987 kWh generated: 0
1987 kWh purchased: 868,606,403
1987 kWh sold: 818,570,253
1987 revenues: $43,502,000
established 1900

Barnesville, City of*
109 Forsythe St.
Barnesville, Ga. 30204
(404) 358-0181
Joanne C. Cannafax, City Administrator
customers: 2,379
1987 kWh generated: 0
1987 kWh purchased: 42,818,044
1987 kWh sold: 37,509,002
1987 revenues: $2,611,000
established 1910

Blakely, City of*
Box 350
Blakely, Ga. 31723
(912) 723-3677
Waylon Lacy, City Administrator
customers: 3,000
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1929

Brinson, Town of*
Box 728
Brinson, Ga. 31725
(912) 246-4062
Kenneth Hodges, Mayor
customers: 94
1987 kWh generated: 0
1987 kWh purchased: 1,621,052
1987 kWh sold: 1,240,837
1987 revenues: $77,000
established 1925

Buford, City of*
95 Scott St.
Buford, Ga. 30518
(404) 945-6761
Earley Biffle, City Manager
customers: 2,297
1987 kWh generated: 0
1987 kWh purchased: 41,128,958
1987 kWh sold: 36,540,786
1987 revenues: $2,242,000

Cairo, City of*
Box 29
Cairo, Ga. 31728
(912) 377-3653
Dan Wells, City Manager
customers: 4,272
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1902

Calhoun, City of*
N. Wall St., Box 248
Calhoun, Ga. 30701
(404) 629-0151
Kelly Cornwell, Superintendent
customers: 3,327
1987 kWh generated: 0
1987 kWh purchased: 220,729,246
1987 kWh sold: 215,633,246
1987 revenues: $10,742,000
established 1900

Camilla, City of*
30 E. Board St., Box 328
Camilla, Ga. 31730
(912) 336-0331
Clarence H. Bryant, City Manager
customers: 2,266
nameplate capacity: unavailable
1987 kWh generated: 62,935,000
1987 kWh purchased: 7,918,000
1987 kWh sold: 7,085,300
1987 revenues: $3,690,000
established 1906

Cartersville, City of*
320 S. Erwin St.
Cartersville, Ga. 30120
(404) 382-1171
Ralph L. Oglesby, Electric Superintendent
customers: 4,873
1987 kWh generated: 0
1987 kWh purchased: 299,031,000
1987 kWh sold: 287,678,000
1987 revenues: $14,433,000
established 1905

Chickamauga, City of*
Box 68
Chickamauga, Ga. 30707
(404) 375-3177
John Culpepper, Manager
customers: 830
1987 kWh generated: 0
1987 kWh purchased: 39,424,631 (TVA)
1987 kWh sold: 37,646,591
1987 revenues: $1,957,000
established 1963

College Park, City of*
3667 Main St.
College Park, Ga. 30337
(404) 767-1537
Robert W. Dudley, Electric Utility Manager
customers: 11,046
1987 kWh generated: 0
1987 kWh purchased: 255,543,488
1987 kWh sold: 211,371,000
1987 revenues: $12,642,000

Commerce, City of*
Box 348
Commerce, Ga. 30529
(404) 335-3164
Ben J. Hulsey, City Manager
customers: 2,291
1987 kWh generated: 0
1987 kWh purchased: 39,333,525
1987 kWh sold: 37,321,733
1987 revenues: $2,263,000

Covington, City of*
2111 E. Conyers St.
Covington, Ga. 30209
(404) 786-5324
Frank B. Turner, City Manager
customers: 7,294
1987 kWh generated: 0
1987 kWh purchased: 152,289,241
1987 kWh sold: 135,219,269
1987 revenues: $7,753,000
established 1900

Crisp County Power Commission*
201 S. Seventh St.
Cordele, Ga. 31015
(912) 273-3811
Frank L. Olson, General Manager
customers: 9,765
nameplate capacity (kW): gas 5,000; coal 12,500; hydro 15,200
1987 kWh generated: 48,098,300
1987 kWh purchased: 206,217,288
1987 kWh sold: 240,465,071
1987 revenues: $11,915,000
established 1927

Dalton, City of
1200 Harris St.
Dalton, Ga. 30720
(404) 278-1313
W. R. Seaton Jr., Manager
customers: 11,132
nameplate capacity (kW): oil 739; coal 11,452; nuclear 18,700
1987 kWh generated: 417,323,120
1987 kWh purchased: 458,559,804
1987 kWh sold: 853,905,373
1987 revenues: $35,657,000
established 1890

Doerun, City of*
Box 37
Doerun, Ga. 31744
(912) 782-5444
J. B. Walters, City Manager
customers: 498
1987 kWh generated: 0
1987 kWh purchased: 6,586,831
1987 kWh sold: 5,916,606
1987 revenues: $375,000
established 1911

Douglas, City of*
220 E. Bryan St., City Hall
Douglas, Ga. 31533
(912) 284-3302
Joe Glen Solomon, Superintendent
customers: 5,012
1987 kWh generated: 0
1987 kWh purchased: 169,016,679
1987 kWh sold: 159,037,000
1987 revenues: $9,518,000
established 1899

East Point, City of*
2777 East Point St.
East Point, Ga. 30344
(404) 765-1027
Bruce DeBolt, Director of Public Utilities
customers: 16,575
1987 kWh generated: 0
1987 kWh purchased: 299,100,000
1987 kWh sold: 268,100,000
1987 revenues: $17,500,000

Elberton, City of*
234 N. McIntosh St.
Elberton, Ga. 30635
(404) 283-2575
James Jackson, Superintendent
customers: 4,328
1987 kWh generated: 0
1987 kWh purchased: 96,027,000
1987 kWh sold: 86,852,000
1987 revenues: $5,092,000
established 1895

Ellaville, City of*
Box 829
Ellaville, Ga. 31806
(912) 937-2207
Janice Folds, Clerk
customers: 930
1987 kWh generated: 0
1987 kWh purchased: 13,800,995
1987 kWh sold: 13,093,380
1987 revenues: $1,107,000
established 1976

Fairburn, City of*
56 Malone St., Box 145
Fairburn, Ga. 30213
(404) 964-2244
Alex Howell Sr., City Manager
customers: 1,894
1987 kWh generated: 0
1987 kWh purchased: 31,495,411
1987 kWh sold: 28,232,339
1987 revenues: $1,991,000

Fitzgerald Water, Light & Bond Commission*
200 N. Hooker St., Drawer F
Fitzgerald, Ga. 31750
(912) 423-2016
Carlton J. Fowler, General Superintendent
customers: 5,561
1987 kWh generated: 0
1987 kWh purchased: 154,036,093
1987 kWh sold: 139,063,466
1987 revenues: $7,283,000
established 1907

Forsyth, City of*
Box 1447
Forsyth, Ga. 31029
(912) 994-2444
Guy Walker, Electrical Superintendent
customers: 2,204
1987 kWh generated: 0
1987 kWh purchased: 53,047,440
1987 kWh sold: 41,790,527
1987 revenues: $3,605,000

Fort Valley Utility Commission*
400 Anthoine St.
Fort Valley, Ga. 31030
(912) 825-7701
Glen M. Taylor, Director
customers: 4,403
nameplate capacity: unavailable
1987 kWh generated: 254,000
1987 kWh purchased: 97,559,621
1987 kWh sold: 84,626,814
1987 revenues: $4,451,000
established 1905

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

Grantville, City of*
Box 126
Grantville, Ga. 30220
(404) 583-2289
Phyllis Schlichtirt, Clerk
customers: 440
1987 kWh generated: 0
1987 kWh purchased: 3,676,043
1987 kWh sold: 3,398,560
1987 revenues: $201,000

Griffin, City of*
120 N. Sixth St.
Griffin, Ga. 30223
(404) 229-1506
John P. Jones, Director, Electric Department
customers: 12,475
1987 kWh generated: 0
1987 kWh purchased: 248,575,000
1987 kWh sold: 243,634,000
1987 revenues: $13,143,000
established 1895

Hampton, City of
Box 225
Hampton, Ga. 30228
(404) 946-4306
John L. Maddox, Superintendent
customers: 985
1987 kWh generated: 0
1987 kWh purchased: 12,176,500
1987 kWh sold: 11,043,000
1987 revenues: $764,000

Hogansville, City of*
400 E. Main St.
Hogansville, Ga. 30230
(404) 637-8629
Wesley Duffey, City Manager
customers: 1,451
1987 kWh generated: 0
1987 kWh purchased: 18,384,196
1987 kWh sold: 16,604,205
1987 revenues: $1,187,000

Jackson, City of*
135 S. Mulberry St.
Jackson, Ga. 30233
(404) 775-7535
S. V. Lunsford, Electric Superintendent
customers: 1,478
1987 kWh generated: 0
1987 kWh purchased: 30,660,314
1987 kWh sold: 27,084,401
1987 revenues: $1,710,000
established 1900

La Fayette, City of*
Box 89
La Fayette, Ga. 30728
(404) 638-1082
David Aldrich, City Manager
customers: 3,462
1987 kWh generated: 0
1987 kWh purchased: 98,430,817
1987 kWh sold: 89,130,560
1987 revenues: $5,049,000
established 1925

La Grange, City of*
200 Ridley Ave., Box 430
La Grange, Ga. 32040
(404) 883-2065
C. W. Hughes Jr., Director of Utilities
customers: 11,201
1987 kWh generated: 0
1987 kWh purchased: 446,380,302
1987 kWh sold: 424,655,293
1987 revenues: $22,318,000
established 1900

Lawrenceville, City of*
Box 1017
Lawrenceville, Ga. 30246
(404) 963-2414
Don Martin, Utilities Superintendent
customers: 6,773
1987 kWh generated: 0
1987 kWh purchased: 138,585,226
1987 kWh sold: 119,582,197
1987 revenues: $7,761,000
established 1920

Mansfield, City of*
21 W. First Ave.
Mansfield, Ga. 30255
(404) 786-7235
Wayne Blackwell, Mayor
customers: 215
1987 kWh generated: 0
1987 kWh purchased: 3,159,518
1987 kWh sold: 2,661,928
1987 revenues: $144,000
established 1910

Marietta, City of*
205 Lawrence St., Box 609
Marietta, Ga. 30061
(404) 429-4245
Keith Bass, Electric Director
customers: 38,214
1987 kWh generated: 0
1987 kWh purchased: 742,582,190
1987 kWh sold: 727,727,268
1987 revenues: $55,603,000
established 1906

Monroe, City of*
215 N. Broad St., Box 725
Monroe, Ga. 30655
(404) 267-5756
John T. Briscoe Jr., Electric Superintendent
customers: 4,449
1987 kWh generated: 0
1987 kWh purchased: 92,282,000
1987 kWh sold: 88,715,000
1987 revenues: $4,769,000
established 1906

Monticello, City of*
115 E. Green St.
Monticello, Ga. 31064
(404) 468-6062
Marion McElheney, Mayor
customers: 1,167
1987 kWh generated: 0
1987 kWh purchased: 18,971,503
1987 kWh sold: 16,993,000
1987 revenues: $1,064,000
established 1905

Moultrie, City of*
Box 580
Moultrie, Ga. 31776
(912) 985-1974
Robert C. Roberson, City Manager
customers: 5,750
1987 kWh generated: 0
1987 kWh purchased: 162,233,291
1987 kWh sold: 147,509,814
1987 revenues: $9,075,000
established 1898

Newnan Water, Sewerage & Light Commission*
70 Sewell Road
Newnan, Ga. 30263
(404) 253-5516
Carl G. Miller, General Manager
customers: 5,809
1987 kWh generated: 0
1987 kWh purchased: 100,291,767
1987 kWh sold: 91,292,403
1987 revenues: $6,669,000
established 1904

Norcross, City of*
65 Lawrenceville St.
Norcross, Ga. 30017
(404) 448-2122
Phillip Floyd, Electric Superintendent
customers: 3,188
1987 kWh generated: 0
1987 kWh purchased: 51,850,156
1987 kWh sold: 48,067,789
1987 revenues: $3,257,000
established 1929

Oxford, City of*
810 Whatcoat St., Box 207
Oxford, Ga. 30267
(404) 786-7004
Jack P. Atkinson, Mayor
customers: 702
1987 kWh generated: 0
1987 kWh purchased: 10,619,379
1987 kWh sold: 9,833,545
1987 revenues: $724,000

Palmetto, City of*
549 Main St., Drawer C
Palmetto, Ga. 30268
(404) 463-3377
K. Johnson, Utilities Director
customers: 1,100
1987 kWh generated: 0
1987 kWh purchased: 14,812,007
1987 kWh sold: 12,005,026
1987 revenues: $928,000

Quitman, City of*
Box 208
Quitman, Ga. 31643
(912) 263-4166
James H. Kennedy, City Manager
customers: 2,426
1987 kWh generated: 0
1987 kWh purchased: 47,222,949
1987 kWh sold: 41,846,515
1987 revenues: $2,695,000
established 1905

Sandersville, City of*
Box 71
Sandersville, Ga. 31082
(912) 552-3475
John D. Everett, City Clerk
customers: 2,520
1987 kWh generated: 0
1987 kWh purchased: 56,457,302
1987 kWh sold: 48,101,622
1987 revenues: $3,192,000
established 1907

Sylvania, City of
Box 555
Sylvania, Ga. 30467
(912) 564-7411
Roland C. Stubbs, City Manager
customers: 2,221
1987 kWh generated: 0
1987 kWh purchased: 102,320,633
1987 kWh sold: 95,472,830
1987 revenues: $5,373,000
established 1910

Sylvester, City of*
105 E. King St.
Sylvester, Ga. 31791
(912) 776-8508
Charles Jones, Superintendent of Utilities
customers: 2,479
1987 kWh generated: 0
1987 kWh purchased: 64,530,000
1987 kWh sold: 57,199,000
1987 revenues: $3,675,000
established 1903

Thomaston, City of*
613 N. Church St.
Thomaston, Ga. 30286
(404) 647-6633
Skip Nalley, City Manager
customers: 3,994
1987 kWh generated: 0
1987 kWh purchased: 70,318,514
1987 kWh sold: 62,949,416
1987 revenues: $4,709,000

Thomasville, City of*
411 Jackson St.
Thomasville, Ga. 31799
(912) 226-3518
William T. Berry, General Superintendent
customers: 14,150
1987 kWh generated: 0
1987 kWh purchased: 376,921,316
1987 kWh sold: 352,647,283
1987 revenues: $20,012,000
established 1906

Washington, City of*
Box 9
Washington, Ga. 30673
(404) 678-3277
Warren D. Sisson, City Administrator
customers: 2,239
1987 kWh generated: 0
1987 kWh purchased: 89,697,000
1987 kWh sold: 86,296,000
1987 revenues: $4,282,000

West Point, City of*
Box 487
West Point, Ga. 31833
(404) 645-2226
Joel T. Wood, City Administrator
customers: 1,581
1987 kWh generated: 0
1987 kWh purchased: 31,678,807
1987 kWh sold: 27,227,519
1987 revenues: $1,991,000
established 1900

Whigham, City of*
Box 71
Whigham, Ga. 31797
(912) 762-4114
Keith Sandefur, Electric Superintendent
customers: 273
1987 kWh generated: 0
1987 kWh purchased: 5,901,636
1987 kWh sold: 5,231,273
1987 revenues: $340,000
established 1908

GUAM

Guam Power Authority*
Box 2977
Agana, Guam 96910
(671) 477-9100
John M. Benavente, General Manager
customers: 28,263
nameplate capacity: unavailable
1987 kWh generated: 1,064,726,598
1987 kWh purchased: 0
1987 kWh sold: 583,004,223
1987 revenues: $54,666,000
established 1968

IDAHO

Albion Light & Water Plant
Box 163
Albion, Idaho 83311
(208) 673-5351
John K. Powell, Mayor
customers: 175
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1916

Bonners Ferry, City of†*
102 Main St., Box 149
Bonners Ferry, Idaho 83805
(208) 267-3105
Mike Woodward, City Administrator
customers: 1,862
nameplate capacity (kW): hydro 3,975
1987 kWh generated: 23,172,400
1987 kWh purchased: 42,175,300
1987 kWh sold: 49,625,858
1987 revenues: $1,833,000
established 1922

Burley, City of*
2020 Parke Ave., Box 1090
Burley, Idaho 83318
(208) 678-2538
Donald R. Hill, Utilities Director
customers: 3,786
1987 kWh generated: 0
1987 kWh purchased: 100,352,632
1987 kWh sold: 89,697,211
1987 revenues: $3,763,000

Declo, City of
Box 159
Declo, Idaho 83323
(208) 654-2124
Nelda Matthews, Clerk
customers: 106
1987 kWh generated: 0
1987 kWh purchased: 3,045,506
1987 kWh sold: 3,045,506
1987 revenues: $97,000
established 1910

Heyburn, City of
Box 147
Heyburn, Idaho 83336
(208) 678-8158
Bob Despain, Manager
customers: 1,077
1987 kWh generated: 0
1987 kWh purchased: 79,713,335
1987 kWh sold: 77,513,010
1987 revenues: $2,426,000

Idaho Falls, City of*
140 S. Capital St., Box 220
Idaho Falls, Idaho 83401
(208) 529-1430
Steve Harrison, Manager
customers: 18,681
nameplate capacity (kW): oil 2,000; hydro 31,300
1987 kWh generated: 129,627,680
1987 kWh purchased: 383,900,283
1987 kWh sold: 481,397,028
1987 revenues: $17,563,000
established 1900

Minidoka, City of
Box 85
Minidoka, Idaho 83343
(208) 532-4575
Deon Fassett, Clerk
customers: 55
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1924

Plummer, City of
Box B
Plummer, Idaho 83851
(208) 686-1422
A. F. Booth, Utility Director
customers: 824
1987 kWh generated: 0
1987 kWh purchased: 24,813,600
1987 kWh sold: 24,681,755
1987 revenues: $1,042,000
established 1916

Rupert, City of
Box 426
Rupert, Idaho 83350
(208) 436-9608
Ivan L. Myers, Electric Department
customers: 2,616
1987 kWh generated: 0
1987 kWh purchased: 70,319,085
1987 kWh sold: 60,037,489
1987 revenues: $2,660,000
established 1919

Soda Springs, City of
9 W. Second St. S.
Soda Springs, Idaho 83276
(208) 547-2151
Clayton Schmitt, City Administrator
customers: 1,482
nameplate capacity (kW): hydro 950
1987 kWh generated: 1,963,200
1987 kWh purchased: 19,854,646
1987 kWh sold: 19,538,868
1987 revenues: $967,000
established 1912

Weiser, City of
55 W. Idaho St.
Weiser, Idaho 83672
(208) 549-1965
M. I. Moore, Clerk
customers: 1,960
1987 kWh generated: 0
1987 kWh purchased: 39,154,230
1987 kWh sold: 35,459,390
1987 revenues: $1,429,000
established 1908

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

ILLINOIS

Albany, City of
101 N. Lime St., Box 356
Albany, Ill. 61230
(309) 887-4064
Gary Gooch, Electrical Superintendent
customers: 380
nameplate capacity: unavailable
1987 kWh generated: 4,081,000
1987 kWh purchased: 0
1987 kWh sold: 3,888,922
1987 revenues: $245,000

Allendale, City of*
Box 85
Allendale, Ill. 62410
(618) 299-3181
Rick Medler, Superintendent
customers: 274
1987 kWh generated: 0
1987 kWh purchased: 3,481,600
1987 kWh sold: 3,068,666
1987 revenues: $164,000
established 1949

Altamont, City of
202 N. 2nd St., Box 305
Altamont, Ill. 62411
(618) 483-5212
Terry White, Electrical Superintendent
customers: 1,214
1987 kWh generated: 0
1987 kWh purchased: 17,644,722
1987 kWh sold: 14,115,670
1987 revenues: $1,069,000
established 1901

Batavia, City of
101 N. Island Ave.
Batavia, Ill. 60510
(312) 879-1424
Gary Larsen, Superintendent
customers: 6,142
1987 kWh generated: 0
1987 kWh purchased: 137,808,000
1987 kWh sold: 130,824,916
1987 revenues: $8,790,000
established 1898

Bethany, Village of*
201 W. Main St., Box 352
Bethany, Ill. 61914
(217) 665-3351
Michael W. Collins, Manager of Utility
customers: 672
1987 kWh generated: 0
1987 kWh purchased: 7,602,041
1987 kWh sold: 7,041,880
1987 revenues: $488,000
established 1914

Breese, City of*
290 N. Clinton St.
Breese, Ill. 62230
(618) 526-7151
Martin F. Johnson, Superintendent of Utilities
customers: 1,506
nameplate capacity (kW): oil 9,650
1987 kWh generated: 133,000
1987 kWh purchased: 25,503,000
1987 kWh sold: 24,311,000
1987 revenues: $1,691,000
established 1906

Bushnell, City of*
148 E. Hall St.
Bushnell, Ill. 61422
(309) 772-2029
Michael McCleery, Manager of Utility
customers: 1,224
nameplate capacity (kW): oil 1,400; gas 5,000
1987 kWh generated: 17,690
1987 kWh purchased: 25,628,193
1987 kWh sold: 22,703,156
1987 revenues: $157,600
established 1941

Cairo Public Utility Commission*
1100 Commercial Ave.
Cairo, Ill. 62914
(618) 734-3200
Karl H. Klein, General Manager
customers: 2,432
1987 kWh generated: 0
1987 kWh purchased: 85,565,100
1987 kWh sold: 81,615,700
1987 revenues: $4,386,000
established 1947

Carlyle, City of*
850 Franklin St.
Carlyle, Ill. 62231
(618) 594-3221
Larry Hawn, Electric Superintendent
customers: 1,705
nameplate capacity (kW): oil 6,900; coal 3,000
1987 kWh generated: 57,000
1987 kWh purchased: 27,088,000
1987 kWh sold: 23,672,811
1987 revenues: $1,801,000
established 1901

Carmi, City of
225 E. Main St.
Carmi, Ill. 62821
(618) 382-5555
Lawrence Martin, Mayor
customers: 3,691
nameplate capacity (kW): oil 1,856; gas 14,805
1987 kWh generated: 1,406,700
1987 kWh purchased: 53,909,000
1987 kWh sold: 49,233,280
1987 revenues: $3,748,000
established 1925

Casey, City of
108 E. Main St.
Casey, Ill. 62420
(217) 932-4885
John O. Bell, Superintendent of Utilities
customers: 1,815
1987 kWh generated: 0
1987 kWh purchased: 25,373,000
1987 kWh sold: 22,096,000
1987 revenues: $1,440,000
established 1900

Chatham, Village of*
117 E. Mulberry St.
Chatham, Ill. 62629
(217) 483-2451
Edward Osman, Chairman, Electric Trustees
customers: 2,634
1987 kWh generated: 0
1987 kWh purchased: 29,112,152
1987 kWh sold: 27,548,913
1987 revenues: $1,860,031
established 1942

Fairfield, City of
109 N.E. 2nd St.
Fairfield, Ill. 62837
(618) 842-4821
Claude Trotter, Superintendent
customers: 3,260
nameplate capacity (kW): oil 7,700; gas 4,800; coal 8,300
1987 kWh generated: 291,425
1987 kWh purchased: 64,753,611
1987 kWh sold: 60,234,630
1987 revenues: $3,614,000
established 1898

Farmer City, City of*
105 S. Main St., Box 40
Farmer City, Ill. 61842
(309) 928-3421
Richard Carter, Superintendent
customers: 1,172
nameplate capacity (kW): oil 2,408; gas 5,040
1987 kWh generated: 26,900
1987 kWh purchased: 14,045,300
1987 kWh sold: 13,438,843
1987 revenues: $1,020,000
established 1888

Flora, City of
122 N. Main St.
Flora, Ill. 62839
(618) 662-8313
Laura E. O'Donnell, Clerk
customers: 2,786
1987 kWh generated: 0
1987 kWh purchased: 53,122,155
1987 kWh sold: 47,998,170
1987 revenues: $3,313,000

Freeburg, Village of
101 S. Belleville St.
Freeburg, Ill. 62243
(618) 539-3112
Quinton W. Laabs, Director of Services
customers: 1,316
nameplate capacity: unavailable
1987 kWh generated: 62,540
1987 kWh purchased: 21,650,660
1987 kWh sold: 18,853,962
1987 revenues: $1,464,370
established 1904

Geneseo, City of†*
101 S. State
Geneseo, Ill. 61254

(309) 944-5678
Wayne Smithson, Superintendent
customers: 3,088
nameplate capacity (kW): oil 1,000; gas 18,780
1987 kWh generated: 22,282,435
1987 kWh purchased: 25,480,290
1987 kWh sold: 44,673,117
1987 revenues: $3,178,000
established 1933

Geneva, City of
2 W. State St.
Geneva, Ill. 60134
(312) 232-1503
Bill Hinds, Superintendent
customers: 4,551
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1894

Greenup, Village of
115 Cumberland St.
Greenup, Ill. 62428
(217) 923-3490
John D. Carr, Superintendent of Utilities
customers: 886
1987 kWh generated: 0
1987 kWh purchased: 10,378,621
1987 kWh sold: 9,320,263
1987 revenues: $602,000
established 1954

Highland, City of†*
1115 Broadway St.
Highland, Ill. 62249
(618) 654-7511
Ron Linkenback, Director of Light & Power
customers: 4,442
nameplate capacity (kW): gas 13,000
1987 kWh generated: 598,000
1987 kWh purchased: 86,829,104
1987 kWh sold: 86,504,000
1987 revenues: $4,876,000
established 1899

Ladd, Village of
121 N. Main St., Box 305
Ladd, Ill. 61329
(815) 894-2351
Clarence Foster, General Superintendent
customers: 553
1987 kWh generated: 0
1987 kWh purchased: 58,525,878
1987 kWh sold: 4,717,375
1987 revenues: $385,000

Marshall, City of*
708 Archer Ave., Box 298
Marshall, Ill. 62441
(217) 826-2112
George O. Smith, Superintendent
customers: 2,067
nameplate capacity (kW): oil 6,000
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Mascoutah, City of
40 W. Union St.
Mascoutah, Ill. 62258
(618) 566-2965
Gary C. Mackey, City Manager
customers: 2,306
nameplate capacity (kW): oil 6,700; coal 3,500
1987 kWh generated: 94,800
1987 kWh purchased: 32,229,400
1987 kWh sold: 27,700,062
1987 revenues: $2,306,000
established 1903

McLeansboro, City of
102 W. Main St.
McLeansboro, Ill. 62859
(618) 643-2224
Superintendent, Electric
customers: 1,632
nameplate capacity (kW): oil 9,625
1987 kWh generated: 32,000
1987 kWh purchased: 20,155,000
1987 kWh sold: 15,523,528
1987 revenues: $1,339,000
established 1897

Metropolis, City of
106 W. Fifth St.
Metropolis, Ill. 62960
(618) 524-2711
Curtis Lang, Light Superintendent
customers: 3,327
1987 kWh generated: 0
1987 kWh purchased: 50,283,943
1987 kWh sold: 42,774,658
1987 revenues: $3,144,000

Naperville, City of
175 W. Jackson Ave.
Naperville, Ill. 60566
(312) 420-6181
Victor Marma, Director, Electric Utilities
customers: 29,823
1987 kWh generated: 0
1987 kWh purchased: 600,472,600
1987 kWh sold: 571,952,573
1987 revenues: $40,249,000
established 1898

Newton, City of
108 N. Van Buren St., Box 165
Newton, Ill. 62448
(618) 783-8452
Bob Reynolds, Electric Department Head
customers: 1,681
1987 kWh generated: 0
1987 kWh purchased: 24,900,551
1987 kWh sold: 22,675,869
1987 revenues: $1,685,000
established 1925

Oglesby, City of*
128 W. Walnut St., Box 10
Oglesby, Ill. 61348
(815) 883-3389
Craig Stickney, Utils Superintendent
customers: 1,717
1987 kWh generated: 0
1987 kWh purchased: 20,124,000
1987 kWh sold: 18,412,000
1987 revenues: $1,251,000
established 1925

Peru, City of*
1415 Water St., Box 299
Peru, Ill. 61354
(815) 223-0044
Joe Prazen, Superintendent of Light Plant
customers: 4,836
nameplate capacity (kW): oil 16,300; coal 15,000
1987 kWh generated: 1,535,000
1987 kWh purchased: 84,081,000
1987 kWh sold: 76,773,000
1987 revenues: $5,171,000
established 1924

Princeton, City of†*
2 S. Main St.
Princeton, Ill. 61356
(815) 872-5551
Sharon L. Mercer, Manager of Utilities
customers: 3,835
nameplate capacity (kW): gas 38,400
1987 kWh generated: 1,161,000
1987 kWh purchased: 76,824,000
1987 kWh sold: 72,604,639
1987 revenues: $4,963,000
established 1900

Rantoul, Village of†*
100 W. Grove St.
Rantoul, Ill. 61866
(217) 897-2178
Glenn E. Tadlock, Superintendent
customers: 5,159
nameplate capacity (kW): oil 17,000
1987 kWh generated: 42,630
1987 kWh purchased: 90,686,952
1987 kWh sold: 84,913,619
1987 revenues: $5,527,000
established 1898

Red Bud, City of
200 E. Market St.
Red Bud, Ill. 62278
(618) 282-3339
Ray Mitchell, Superintendent
customers: 1,424
nameplate capacity (kW): oil 1,556; gas 9,460
1987 kWh generated: 516,900
1987 kWh purchased: 35,153,162
1987 kWh sold: 33,719,948
1987 revenues: $1,958,000
established 1904

Riverton, Village of
313 E. Jefferson St.
Riverton, Ill. 62561
(217) 629-9122
Michael Brewer, Superintendent
customers: 1,251
1987 kWh generated: 0
1987 kWh purchased: 14,136,000
1987 kWh sold: 13,273,899
1987 revenues: $1,024,000

Rochelle, City of†*
333 Line Highway
Rochelle, Ill. 61068
(815) 562-4155
Michael S. Finn, General Superintendent
customers: 5,671
nameplate capacity (kW): oil 3,700; gas 14,800; coal 11,500
1987 kWh generated: 55,152,247
1987 kWh purchased: 73,374,600
1987 kWh sold: 118,019,009
1987 revenues: $8,120,000
established 1893

Rock Falls, City of†*
205 E. Third St.
Rock Falls, Ill. 61071
(815) 625-0949
Robert O'Donnell, Director
customers: 5,211
1987 kWh generated: 0
1987 kWh purchased: 65,089,285
1987 kWh sold: 56,019,788
1987 revenues: $5,914,000
established 1895

Roodhouse, City of
City Hall
Roodhouse, Ill. 62082
(217) 589-4635
Russell Wallis, Superintendent
customers: 840
nameplate capacity (kW): oil 5,000
1987 kWh generated: 0
1987 kWh purchased: 10,183,221
1987 kWh sold: 8,683,588
1987 revenues: $708,000
established 1892

St. Charles, City of*
2 E. Main St.
St. Charles, Ill. 60174
(312) 377-4407
Patrick J. Boyle, Director
customers: 9,778
1987 kWh generated: 0
1987 kWh purchased: 243,000,636
1987 kWh sold: 222,955,861
1987 revenues: $17,125,000

Springfield, City of*
Municipal Bldg., 7th & Monroe Sts., Room 207
Springfield, Ill. 62757
(217) 789-2000
Frank Madonia, Director of Public Utilities
customers: 57,631
nameplate capacity (kW): oil 44,200; coal 463,000
1987 kWh generated: 1,498,458,728
1987 kWh purchased: 60,810,000
1987 kWh sold: 1,473,313,849
1987 revenues: $88,348,000
established 1906

Sullivan, City of*
2 W. Harrison St.
Sullivan, Ill. 61951
(217) 728-4383
Richard M. Dunscomb, City Commissioner
customers: 2,346
nameplate capacity (kW): oil 1,720; gas 13,766
1987 kWh generated: 28,503,659
1987 kWh purchased: 15,768,000
1987 kWh sold: 39,160,630
1987 revenues: $2,490,000
established 1927

Waterloo, City of
104 W. Fourth St.
Waterloo, Ill. 62298
(618) 939-6413
Art Fischer, Superintendent
customers: 2,407
nameplate capacity (kW): oil 4,598; gas 6,800
1987 kWh generated: 106,625
1987 kWh purchased: 36,969,000
1987 kWh sold: 31,986,000
1987 revenues: $1,991,000

Winnetka, Village of†*
510 Green Bay Road
Winnetka, Ill. 60093
(312) 446-2500
Bryan McInturff, Director of Water & Electric
customers: 4,820
nameplate capacity (kW): oil 4,820; coal 25,500
1987 kWh generated: 52,582,230
1987 kWh purchased: 34,364,900
1987 kWh sold: 82,904,000
1987 revenues: $6,535,000
established 1900

INDIANA

Advance, Town of
112 N. Main St.
Advance, Ind. 46102
(317) 676-6611
Jack Waggoner, Superintendent
customers: 281
1987 kWh generated: 0
1987 kWh purchased: 3,426,400
1987 kWh sold: 3,270,648
1987 revenues: $229,000
established 1914

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

Anderson, City of*
550 Baxter Road
Anderson, Ind. 46011
(317) 646-5741
Charles J. Myers, Superintendent
customers: 32,960
1987 kWh generated: 0
1987 kWh purchased: 596,844,100
1987 kWh sold: 562,824,067
1987 revenues: $32,822,000
established 1897

Argos, Town of
119 W. Walnut St.
Argos, Ind. 46501
(219) 892-5717
Wilmer L. Harley, Superintendent
customers: 758
1987 kWh generated: 0
1987 kWh purchased: 23,248,297
1987 kWh sold: 19,664,337
1987 revenues: $1,669,000
established 1897

Auburn, City of
Cedar & Ninth Sts.
Auburn, Ind. 46706
(219) 925-5430
Stuart Tuttle, Superintendent
customers: 4,555
1987 kWh generated: 0
1987 kWh purchased: 246,762,000
1987 kWh sold: 239,377,520
1987 revenues: $13,197,000
established 1900

Avilla, City of
117 S. Main St., Box 49
Avilla, Ind. 46710
(219) 897-2781
Paul Bolinger, Superintendent
customers: 592
1987 kWh generated: 0
1987 kWh purchased: 11,781,600
1987 kWh sold: 11,137,516
1987 revenues: $604,000
established 1912

Bainbridge, Town of
Box 343
Bainbridge, Ind. 46105
(317) 522-6238
James Nelson, Superintendent
customers: 341
1987 kWh generated: 0
1987 kWh purchased: 3,519,200
1987 kWh sold: 3,275,358
1987 revenues: $210,000
established 1915

Bargersville, Town of*
Box 420
Bargersville, Ind. 46106
(317) 422-5115
Joe M. Harrod, Superintendent
customers: 1,808
1987 kWh generated: 0
1987 kWh purchased: 29,486,400
1987 kWh sold: 27,506,716
1987 revenues: $1,872,000
established 1921

Bluffton, City of
128 E. Market St.
Bluffton, Ind. 46714
(219) 824-2500
Edward C. Davis, Superintendent
customers: 4,517
nameplate capacity (kW): oil 2,000; gas 5,000
1987 kWh generated: 3,797,200
1987 kWh purchased: 121,675,200
1987 kWh sold: 121,271,412
1987 revenues: $6,219,000
established 1889

Boonville, City of
Box 508
Boonville, Ind. 47601
(812) 897-0140
Charles E. Davis, Director
customers: 3,477
1987 kWh generated: 0
1987 kWh purchased: 59,978,499
1987 kWh sold: 54,301,516
1987 revenues: $3,715,000

Bremen, Town of*
123 S. Center St.
Bremen, Ind. 46506
(219) 546-4324
Dudley A. Keyser, Director of Operations
customers: 1,873
1987 kWh generated: 0
1987 kWh purchased: 58,714,000
1987 kWh sold: 54,917,000
1987 revenues: $3,891,000
established 1895

Brooklyn, Town of
10 N. Main St.
Brooklyn, Ind. 46111
(311) 831-3343
Rick Hobious, Superintendent
customers: 412
1987 kWh generated: 0
1987 kWh purchased: 4,671,200
1987 kWh sold: 4,443,234
1987 revenues: $258,000

Brookston, Town of
205 E. Third St., Box 238
Brookston, Ind. 47923
(317) 563-3171
Charles L. Fountain, Superintendent
customers: 787
1987 kWh generated: 0
1987 kWh purchased: 11,158,800
1987 kWh sold: 9,595,857
1987 revenues: $742,000
established 1916

Cannelton, City of
610 Washington St.
Cannelton, Ind. 47520
(812) 547-7919
Tim Hafele, General Manager
customers: 922
1987 kWh generated: 0
1987 kWh purchased: 17,870,400
1987 kWh sold: 16,785,252
1987 revenues: $993,000
established 1941

Centerville, Town of*
204 E. Main St.
Centerville, Ind. 47330
(317) 855-5515
James F. Bowen, Town Manager
customers: 1,514
1987 kWh generated: 0
1987 kWh purchased: 18,716,800
1987 kWh sold: 17,817,748
1987 revenues: $921,617
established 1913

Chalmers, Town of
Box 827
Chalmers, Ind. 47929
(219) 984-5494
Perry W. Hughes, Superintendent
customers: 308
1987 kWh generated: 0
1987 kWh purchased: 3,230,400
1987 kWh sold: 2,831,770
1987 revenues: $289,000
established 1915

Coatesville, Town of
Box 143
Coatesville, Ind. 46121
(317) 386-7490
James C. Rollings, Manager
customers: 276
1987 kWh generated: 0
1987 kWh purchased: 3,278,000
1987 kWh sold: 3,137,584
1987 revenues: $188,000
established 1912

Columbia City, City of
City Hall
Columbia City, Ind. 46725
(219) 244-5141
Tony Zickgraf, Manager
customers: 4,153
1987 kWh generated: 0
1987 kWh purchased: 82,656,000
1987 kWh sold: 79,109,748
1987 revenues: $5,151,000

Covington, City of*
413 Washington St.
Covington, Ind. 47932
(317) 793-2331
Gene Hulbert, Superintendent
customers: 1,498
1987 kWh generated: 0
1987 kWh purchased: 22,010,400
1987 kWh sold: 20,283,660
1987 revenues: $1,273,000
established 1913

Crawfordsville Electric, Light and Power†*
808 Lafayette Road, Box 428
Crawfordsville, Ind. 47933
(317) 362-1900
Roy E. Kaser, Manager
customers: 7,932
nameplate capacity (kW): coal 24,200
1987 kWh generated: 57,767,740
1987 kWh purchased: 280,139,740
1987 kWh sold: 329,497,017
1987 revenues: $15,790,000
established 1890

Darlington Light & Power Co.*
104 S. Franklin St.
Darlington, Ind. 47940
(317) 794-4496
Richard A. Smith, Superintendent
customers: 577
1987 kWh generated: 0
1987 kWh purchased: 9,156,000
1987 kWh sold: 8,520,899
1987 revenues: $523,000
established 1919

Dublin, Town of
Cumberland St.
Dublin, Ind. 47335
(317) 478-4878
Rex Snyder, Superintendent
customers: 451
1987 kWh generated: 0
1987 kWh purchased: 4,257,600
1987 kWh sold: 3,733,573
1987 revenues: $234,000
established 1920

Dunreith, City of
Box 282
Dunreith, Ind. 47337
(317) 987-7474
Shelby Lenville, Clerk / Treasurer
customers: 155
1987 kWh generated: 0
1987 kWh purchased: 1,223,200
1987 kWh sold: 1,086,246
1987 revenues: $79,000

Edinburgh, City of*
107 S. Holland St., Box 65
Edinburg, Ind. 46124
(812) 526-2663
Robert Davis, Utility Director
customers: 2,253
1987 kWh generated: 0
1987 kWh purchased: 63,960,000
1987 kWh sold: 61,292,779
1987 revenues: $3,462,000
established 1898

Etna Green, Town of
Box 183
Etna Green, Ind. 46524
(219) 858-9321
Loren L. Melton, Superintendent
customers: 326
1987 kWh generated: 0
1987 kWh purchased: 3,287,555
1987 kWh sold: 2,900,961
1987 revenues: $306,000
established 1890

Ferdinand, Town of
123 W. Fifth St., Box 7
Ferdinand, Ind. 47532
(812) 367-1011
James R. Meyer, Superintendent
customers: 696
1987 kWh generated: 0
1987 kWh purchased: 18,099,000
1987 kWh sold: 16,241,333
1987 revenues: $936,000
established 1922

Flora, Town of*
27 W. Main St.
Flora, Ind. 46929
(219) 967-4844
Charles H. Everett, Superintendent
customers: 1,195
1987 kWh generated: 0
1987 kWh purchased: 22,127,000
1987 kWh sold: 19,569,432
1987 revenues: $1,155,000
established 1946

Frankfort, City of*
758 Washington Ave., Box 458
Frankfort, Ind. 46041
(317) 659-3725
Tom Donoho, Superintendent
customers: 8,785
nameplate capacity (kW): gas 16,000; coal 33,000
1987 kWh generated: 0
1987 kWh purchased: 225,819,636
1987 kWh sold: 211,094,218
1987 revenues: $10,888,000
established 1902

Frankton Municipal Light & Water Co.*
Box 286
Frankton, Ind. 46044
(317) 754-7285
William H. Crousore, Superintendent
customers: 1,010
1987 kWh generated: 0
1987 kWh purchased: 14,557,700
1987 kWh sold: 12,769,982
1987 revenues: $854,000
established 1900

Garrett, City of
S. Randolph St., Box 120
Garrett, Ind. 46738
(219) 357-4400
David N. Conkle, Superintendent
customers: 2,499
1987 kWh generated: 0
1987 kWh purchased: 49,819,200
1987 kWh sold: 44,890,962

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

1987 revenues: $2,716,000
established 1896

Gas City, City of*
211 E. Main St.
Gas City, Ind. 46933
(317) 674-6995
Joseph Mitsch, Superintendent
customers: 2,614
1987 kWh generated: 0
1987 kWh purchased: 44,356,800
1987 kWh sold: 41,362,564
1987 revenues: $2,567,000

Greendale, Town of*
510 Ridge Ave.
Lawrenceburg, Ind. 47025
(812) 537-2125
F. R. Rudolph, Manager
customers: 1,819
1987 kWh generated: 0
1987 kWh purchased: 78,372,000
1987 kWh sold: 75,693,000
1987 revenues: $3,617,000
established 1934

Greenfield, City of*
333 S. Franklin St.
Greenfield, Ind. 46140
(317) 462-8510
Keith J. McClarnon, Mayor
customers: 5,004
1987 kWh generated: 0
1987 kWh purchased: 101,591,000
1987 kWh sold: 93,647,952
1987 revenues: $5,114,000
established 1898

Hagerstown, Town of
Town Hall, 49 E. College St.
Hagerstown, Ind. 47346
(317) 489-5132
Ron Roach, Superintendent
customers: 1,369
1987 kWh generated: 0
1987 kWh purchased: 19,075,200
1987 kWh sold: 18,409,323
1987 revenues: $1,131,000
established 1923

Huntingburg, City of*
511 Fourth St.
Huntingburg, Ind. 47542
(812) 683-2327
Loma William Hartke, Superintendent
customers: 2,385
1987 kWh generated: 0
1987 kWh purchased: 60,900,000
1987 kWh sold: 52,976,094
1987 revenues: $3,158,000

Jamestown, City of*
21 E. Main St.
Jamestown, Ind. 46147
(317) 676-6311
Wayne D. Henry, Superintendent
customers: 464
1987 kWh generated: 0
1987 kWh purchased: 6,398,000
1987 kWh sold: 5,943,686
1987 revenues: $338,000
established 1917

Jasper, City of*
606 Main St., Box 150
Jasper, Ind. 47546
(812) 482-3003
Gordon Houchin, Manager
customers: 5,021
nameplate capacity (kW): coal 21,500
1987 kWh generated: 88,092,900
1987 kWh purchased: 122,418,000
1987 kWh sold: 200,347,559
1987 revenues: $9,350,000
established 1904

Kingsford Heights, Town of
504 Grayton Road
Kingsford Heights, Ind. 46346
(219) 393-3309
Ron L. Cooper, Superintendent
customers: 541
1987 kWh generated: 0
1987 kWh purchased: 4,809,432
1987 kWh sold: 4,481,112
1987 revenues: $403,000
established 1964

Knightstown, Town of
26 S. Washington St.
Knightstown, Ind. 46148
(317) 345-5977
Arnold C. Butler, Superintendent
customers: 1,580
1987 kWh generated: 0
1987 kWh purchased: 19,190,400
1987 kWh sold: 16,755,863
1987 revenues: $1,004,000
established 1894

Ladoga, Town of
Box 187
Ladoga, Ind. 47954
(317) 942-2531
James S. Cross, Superintendent
customers: 591
1987 kWh generated: 0
1987 kWh purchased: 7,499,200
1987 kWh sold: 6,865,680
1987 revenues: $434,000

Lawrenceburg, City of*
405 Main St., Box 112
Lawrenceburg, Ind. 47025
(812) 537-2420
Roland R. Horney, Director of Utilities
customers: 2,632
1987 kWh generated: 0
1987 kWh purchased: 71,063,892
1987 kWh sold: 67,476,827
1987 revenues: $3,873,000

Lebanon, City of†*
201 E. Main St., Box 479
Lebanon, Ind. 46052
(317) 482-5100
James B. Nelson, Manager
customers: 5,612
1987 kWh generated: 0
1987 kWh purchased: 113,148,000
1987 kWh sold: 106,775,573
1987 revenues: $5,901,000
established 1942

Lewisville, City of
Box 288
Lewisville, Ind. 47352
(317) 987-7979
Jim Thompson, Superintendent
customers: 226
1987 kWh generated: 0
1987 kWh purchased: 1,710,400
1987 kWh sold: 1,540,215
1987 revenues: $107,000

Linton, City of†*
49 N.W. A St.
Linton, Ind. 47441
(812) 847-4971
Robert Lemonds, Superintendent
customers: 3,414
1987 kWh generated: 0
1987 kWh purchased: 56,412,000
1987 kWh sold: 52,209,000
1987 revenues: $3,031,000
established 1912

Logansport, City of*
Sixth & Broadway Sts.
Logansport, Ind. 46947
(219) 753-6231
Klaus Hemberger, Superintendent
customers: 12,168
nameplate capacity (kW): oil 18,000, coal 43,000
1987 kWh generated: 106,318,921
1987 kWh purchased: 183,584,460
1987 kWh sold: 263,696,701
1987 revenues: $16,243,000

Middletown, Town of*
102 N. Fifth St.
Middletown, Ind. 47356
(317) 354-2911
Richard Westrater, Superintendent
customers: 1,284
1987 kWh generated: 0
1987 kWh purchased: 16,245,600
1987 kWh sold: 15,340,334
1987 revenues: $944,000
established 1911

Mishawaka, City of*
126 N. Church St.
Mishawaka, Ind. 46544
(219) 256-1644
James R. Meier, General Manager
customers: 20,661
1987 kWh generated: 0
1987 kWh purchased: 357,193,720
1987 kWh sold: 335,143,777
1987 revenues: $21,829,000
established 1904

Montezuma, Town of
1235 N. Jackson St.
Montezuma, Ind. 47862
(317) 245-2759
Robert Allen, Superintendent
customers: 642
1987 kWh generated: 0
1987 kWh purchased: 7,608,000
1987 kWh sold: 6,877,844
1987 revenues: $505,000

New Carlisle, Town of
113 S. Arch St.
New Carlisle, Ind. 46552
(219) 654-7554
Dennis Damp, Electrical Superintendent
customers: 668
1987 kWh generated: 0
1987 kWh purchased: 8,335,200
1987 kWh sold: 8,093,145
1987 revenues: $499,000
established 1905

New Ross, City of
Box 156
New Ross, Ind. 47968
(317) 723-1154
Rebecca L. Lowe, Clerk/Treasurer
customers: 205
1987 kWh generated: 0
1987 kWh purchased: 2,050,400
1987 kWh sold: 1,921,438
1987 revenues: $116,000

Paoli Water & Light Department*
Municipal Building
Paoli, Ind. 47454
(812) 723-2739
Herbert Bostock, Superintendent
customers: 1,650
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Pendleton, Town of*
119 W. State St.
Pendleton, Ind. 46064
(317) 778-2173
Jack Guard, Town Manager
customers: 1,568
1987 kWh generated: 0
1987 kWh purchased: 25,680,000
1987 kWh sold: 24,164,894
1987 revenues: $1,432,000
established 1911

Peru, City of*
335 E. Canal St.
Peru, Ind. 46970
(317) 473-6681
Dwight D. Langer, General Manager
customers: 10,069
nameplate capacity (kW): coal 32,000
1987 kWh generated: 29,900,000
1987 kWh purchased: 135,800,000
1987 kWh sold: 159,405,000
1987 revenues: $7,979,000
established 1903

Pittsboro, Town of
Box 185
Pittsboro, Ind. 46167
(317) 892-3326
Charles Waters, Superintendent
customers: 426
1987 kWh generated: 0
1987 kWh purchased: 4,665,600
1987 kWh sold: 4,364,815
1987 revenues: $305,000

Rensselaer, City of†*
122 S. Van Rensselaer St.
Rensselaer, Ind. 47978
(219) 866-8475
Joel D. Roper, City Engineer
customers: 2,602
nameplate capacity (kW): oil 21,120
1987 kWh generated: 367,300
1987 kWh purchased: 61,714,060
1987 kWh sold: 58,232,719
1987 revenues: $4,535,000
established 1896

Richmond, City of*
2000 U.S. 27 S., Box 908
Richmond, Ind. 47375-0908
(317) 935-3131
Irving A. Huffman, General Manager
customers: 20,308
nameplate capacity (kW): coal 153,000
1987 kWh generated: 444,247,610
1987 kWh purchased: 199,474,000
1987 kWh sold: 610,171,850
1987 revenues: $29,806,000
established 1902

Rising Sun, City of*
301 S. Poplar St.
Rising Sun, Ind. 47040
(812) 438-3616
Wayne Clements, Superintendent
customers: 1,366
1987 kWh generated: 0
1987 kWh purchased: 20,065,500
1987 kWh sold: 18,096,993
1987 revenues: $1,145,000
established 1939

Rockville, Town of
103 W. High St.
Rockville, Ind. 47872
(317) 569-6253
Ray Shelton, Superintendent
customers: 1,793
1987 kWh generated: 0
1987 kWh purchased: 23,673,600
1987 kWh sold: 20,964,383
1987 revenues: $1,354,000

Scottsburg, City of*
2 E. McClain Ave.
Scottsburg, Ind. 47170
(812) 752-4343
Betty Hayes, Clerk/Treasurer
customers: 3,021
1987 kWh generated: 0
1987 kWh purchased: 81,288,000
1987 kWh sold: 74,290,155

1987 revenues: $4,185,000
established 1902

South Whitley, Town of*
118 E. Front St.
South Whitley, Ind. 46787
(219) 723-5312
Robert Kneller, Superintendent
customers: 896
1987 kWh generated: 0
1987 kWh purchased: 17,380,800
1987 kWh sold: 16,584,064
1987 revenues: $1,013,000
established 1895

Spiceland, City of
130 E. Main St., Box 386
Spiceland, Ind. 47385
(317) 987-1211
Patsy M. Dobbs, Clerk/Treasurer
customers: 550
1987 kWh generated: 0
1987 kWh purchased: 5,905,600
1987 kWh sold: 5,315,344
1987 revenues: not available

Straughn, Town of
Box 427
Straughn, Ind. 47387
(317) 332-2828
Eldon Sons, Superintendent
customers: 175
1987 kWh generated: 0
1987 kWh purchased: 1,116,800
1987 kWh sold: 969,528
1987 revenues: $67,000

Tell City, City of†*
700 Main St., Box 9
Tell City, Ind. 47586
(812) 542-3411
Jack M. Joyce, Superintendent
customers: 3,945
1987 kWh generated: 0
1987 kWh purchased: 118,224,000
1987 kWh sold: 111,286,349
1987 revenues: $6,087,000
established 1941

Thorntown, City of
109 W. Main St.
Thorntown, Ind. 46071
(317) 436-2627
Jack Hutchens, Superintendent
customers: 785
1987 kWh generated: 0
1987 kWh purchased: 9,962,400
1987 kWh sold: 9,423,064
1987 revenues: $511,000
established 1951

Tipton, City of†*
225 E. Jefferson St.
Tipton, Ind. 46072
(317) 675-7629
Noel C. Olse, Utility Manager
customers: 3,770
1987 kWh generated: 0
1987 kWh purchased: 76,396,800
1987 kWh sold: 73,020,241
1987 revenues: $4,065,000
established 1901

Troy, City of
Box 57
Troy, Ind. 47588
(812) 547-7501
Charles Kuntz, Superintendent
customers: 313
1987 kWh generated: 0
1987 kWh purchased: 6,664,800
1987 kWh sold: 6,395,133
1987 revenues: $410,000
established 1941

Veedersburg, Town of
118 Railroad Ave.
Veedersburg, Ind. 47987
(317) 294-2728
Jackie L. Sullivan, Superintendent
customers: 1,038
1987 kWh generated: 0
1987 kWh purchased: 12,472,000
1987 kWh sold: 10,771,878
1987 revenues: $649,000
established 1898

Walkerton, City of
510 Roosevelt Road
Walkerton, Ind. 46574
(219) 586-3711
Jollie Back, Superintendent
customers: 1,311
1987 kWh generated: 0
1987 kWh purchased: 21,109,200
1987 kWh sold: 18,712,398
1987 revenues: $1,649,000
established 1906

Warren, Town of
132 Wayne St.
Warren, Ind. 46792
(219) 375-2656
Charles Booher, Superintendent
customers: 685
1987 kWh generated: 0
1987 kWh purchased: 12,042,000
1987 kWh sold: 10,943,380
1987 revenues: $741,000

Washington, City of*
City Utility Building, Box 800
Washington, Ind. 47501
(812) 254-5171
Sharon A. Healy, Utility Office Manager
customers: 6,762
nameplate capacity (kW): coal 18,000
1987 kWh generated: 0
1987 kWh purchased: 135,987,264
1987 kWh sold: 124,401,656
1987 revenues: $6,915,000
established 1926

Waynetown, City of
Washington St.
Waynetown, Ind. 47990
(317) 234-2154
Richard Peterman, Superintendent
customers: 479
1987 kWh generated: 0
1987 kWh purchased: 4,826,400
1987 kWh sold: 4,562,992
1987 revenues: $288,000

Williamsport, City of
29 N. Monroe St.
Williamsport, Ind. 47993
(317) 762-2154
William Lucas, Clerk/Treasurer
customers: 898
1987 kWh generated: 0
1987 kWh purchased: 12,099,600
1987 kWh sold: 10,970,441
1987 revenues: $687,000
established 1899

Winamac, Town of†*
120 W. Main St.
Winamac, Ind. 46996
(219) 946-3451
A. Allen Boos, Manag.
customers: 1,653
1987 kWh generated: 0
1987 kWh purchased: 40,207,842
1987 kWh sold: 38,394,693
1987 revenues: $3,394,000
established 1895

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

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Afton, City of
101 W. Kansas St.
Afton, Iowa 50830
(515) 347-5578
Robert Fisher, Electrical Superintendent
customers: 420
1987 kWh generated: 0
1987 kWh purchased: 5,186,400
1987 kWh sold: 4,468,654
1987 revenues: $343,000

Akron, City of†*
Box 85
Akron, Iowa 51001
(712) 568-2041
Robert Borchers, Director of Public Works
customers: 790
nameplate capacity (kW): gas 4,000
1987 kWh generated: 0
1987 kWh purchased: 10,865,400
1987 kWh sold: 9,177,111
1987 revenues: $411,000
established 1921

Algona, City of*
104 W. Call St.
Algona, Iowa 50511
(515) 295-3584
Nicholas R. Scholer, General Manager
customers: 3,499
nameplate capacity (kW): oil 13,400
1987 kWh generated: 80,923,700
1987 kWh purchased: 29,463,400
1987 kWh sold: 108,783,480
1987 revenues: $4,295,000
established 1898

Alta, City of*
223 Main St.
Alta, Iowa 51002
(712) 284-1122
Ronald L. Deiber, Superintendent
customers: 904
nameplate capacity (kW): oil 1,300
1987 kWh generated: 2,000
1987 kWh purchased: 11,595,523
1987 kWh sold: 9,204,594
1987 revenues: $473,000
established 1893

Alta Vista, City of
201 Main St.
Alta Vista, Iowa 50603
(515) 364-6732
Marvin Nielson, Superintendent
customers: 242
1987 kWh generated: 0
1987 kWh purchased: 1,914,900
1987 kWh sold: 1,914,900
1987 revenues: $117,000

Alton, City of†*
Box J
Alton, Iowa 51003
(712) 756-4314
Jeff Beethold, Manager of Utility
customers: 503
1987 kWh generated: 0
1987 kWh purchased: 8,035,108
1987 kWh sold: 7,447,950
1987 revenues: $369,000
established 1968

Ames, City of†*
502 Carroll Ave.
Ames, Iowa 50010
(515) 239-5171
Merlin C. Hove, Director
customers: 15,713
nameplate capacity (kW): oil 23,000; coal 134,900
1987 kWh generated: 218,182,030
1987 kWh purchased: 93,638,000
1987 kWh sold: 296,694,692
1987 revenues: $7,888,967
established 1896

Anita, City of
828 Main St.
Anita, Iowa 50020
(712) 762-3845
Edward J. Brownsberger Jr., Superintendent
customers: 609
nameplate capacity (kW): oil 747
1987 kWh generated: 10,850
1987 kWh purchased: 7,922,081
1987 kWh sold: 6,788,478
1987 revenues: $263,000
established 1939

Anthon, City of
301 E. Main
Anthon, Iowa 51004
(712) 373-5218
Keith R. Determann, Mayor
customers: 389
1987 kWh generated: 0
1987 kWh purchased: 4,692,051
1987 kWh sold: 4,483,799
1987 revenues: $316,000
established 1976

Aplington, City of
927 Parrot St.
Aplington, Iowa 50604
(319) 347-2425
Timothy Ubben, Superintendent
customers: 498
1987 kWh generated: 0
1987 kWh purchased: 5,112,000
1987 kWh sold: 4,390,430
1987 revenues: $317,000

Atlantic, City of*
15 W. Third St.
Atlantic, Iowa 50022
(712) 243-1395
Richard J. Stevens, Superintendent
customers: 4,345
nameplate capacity (kW): gas 9,200; coal 18,148
1987 kWh generated: 74,706,600
1987 kWh purchased: 41,315,162
1987 kWh sold: 109,100,388
1987 revenues: $4,131,000
established 1908

Auburn, City of
Box 238
Auburn, Iowa 51433
(712) 688-2264
Larry R. Finley, Mayor
customers: 176
nameplate capacity (kW): oil 700, gas 16,200
1987 kWh generated: 0
1987 kWh purchased: 1,634,100
1987 kWh sold: 1,367,131
1987 revenues: $113,000

Aurelia, City of
235 Main St.
Aurelia, Iowa 51005
(712) 434-2025
Edmund Radke, Chairman, Board of Trustees
customers: 560
1987 kWh generated: 0
1987 kWh purchased: 6,679,020
1987 kWh sold: 6,313,145
1987 revenues: $442,000
established 1974

Bancroft, City of*
Box 167
Bancroft, Iowa 50517
(515) 885-2772
Walter Fangman,
customers: 602
nameplate capacity (kW): oil 1,550
1987 kWh generated: 8,300
1987 kWh purchased: 10,088,780
1987 kWh sold: 8,728,440
1987 revenues: $569,000
established 1939

Bellevue, City of
106 N. Third
Bellevue, Iowa 52031
(319) 872-4456
Ray Beschen, Superintendent
customers: 1,370
nameplate capacity (kW): oil 5,320
1987 kWh generated: 257,800
1987 kWh purchased: 15,159,700
1987 kWh sold: 14,059,374
1987 revenues: $1,117,000
established 1896

Bloomfield, City of
111 W. Franklin St.
Bloomfield, Iowa 52537
(515) 664-2260
Mike Irven, Public Works Director
customers: 1,446
nameplate capacity (kW): gas 8,580
1987 kWh generated: 0
1987 kWh purchased: 26,264,800
1987 kWh sold: 23,255,251
1987 revenues: $1,430,000
established 1911

Breda Municipal Utilities
118 Main St.
Breda, Iowa 51436
(712) 673-4221
James Ulveling, Manager
customers: 272
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Brooklyn, City of
207 Front St.
Brooklyn, Iowa 52211
(515) 522-9292
Dale Hawkins, Manager
customers: 815
nameplate capacity (kW): oil 700;
gas 1,724
1987 kWh generated: 15,000
1987 kWh purchased: 9,913,000
1987 kWh sold: 9,242,000
1987 revenues: $565,000
established 1940

Buffalo, City of
409 Third St.
Buffalo, Iowa 52728
(319) 381-2226
Ralph Jewett, Public Works Director
customers: 484
1987 kWh generated: 0
1987 kWh purchased: 3,957,040
1987 kWh sold: 3,201,684
1987 revenues: $281,000

Burt, City of
119 Walnut St., Box 197
Burt, Iowa 50522
(515) 924-3618
James H. Redemske, Utility
Superintendent
customers: 303
1987 kWh generated: 0
1987 kWh purchased: 3,553,404
1987 kWh sold: 3,229,082
1987 revenues: $214,000
established 1920

Callender, City of
730 Thomas St.
Callender, Iowa 50523
(515) 548-3859
Craig Hanson, Superintendent
customers: 199
1987 kWh generated: 0
1987 kWh purchased: 1,874,600
1987 kWh sold: 1,802,289
1987 revenues: $131,000
established 1965

Carlisle, City of*
115 School St.
Carlisle, Iowa 50047
(515) 989-0840
Bruce Johnson, Electric Supervisor
customers: 1,422
1987 kWh generated: 0
1987 kWh purchased: 15,960,000
1987 kWh sold: 14,845,921
1987 revenues: $887,000
established 1931

Cascade, City of
201 Pierce St. S.W.
Cascade, Iowa 52033
(319) 852-3614
Fred A. Kremer, General Manager
customers: 885
nameplate capacity (kW): gas 3,600
1987 kWh generated: 40,860
1987 kWh purchased: 11,713,949
1987 kWh sold: 10,867,790
1987 revenues: $678,000
established 1940

Cedar Falls, City of*
612 E. 12th St., Box 769
Cedar Falls, Iowa 50613
(319) 233-1761
Dean Crowe, General Manager
customers: 14,033
nameplate capacity (kW): oil 25,000;
coal 100,001
1987 kWh generated: 248,811,300
1987 kWh purchased: 31,281,700
1987 kWh sold: 258,581,893
1987 revenues: $12,135,000
established 1913

Coggon, City of
131 W. Main
Coggon, Iowa 52218
(319) 435-2436
Robert L. Farley, Superintendent
customers: 304
nameplate capacity (kW): oil 1,800
1987 kWh generated: 4,290
1987 kWh purchased: 3,115,751
1987 kWh sold: 2,862,819
1987 revenues: $237,000
established 1927

Coon Rapids, City of†*
123 Third Ave., Box 207
Coon Rapids, Iowa 50058
(712) 684-2225
Eugene P. Smith, Manager
customers: 771
nameplate capacity (kW): oil 4,848
1987 kWh generated: 15,346,139
1987 kWh purchased: 15,268,489
1987 kWh sold: 28,551,747
1987 revenues: $978,000
established 1936

Corning, City of†*
501 Benton Ave.
Corning, Iowa 50841
(515) 322-3920
Dean R. Davis, Manager
customers: 1,132
nameplate capacity (kW): oil 6,360
1987 kWh generated: 35,000
1987 kWh purchased: 16,361,000
1987 kWh sold: 14,500,000
1987 revenues: $526,000
established 1936

Corwith, City of
404 Main St.
Corwith, Iowa 50430
(515) 583-2342
Tim Berhow, Superintendent
customers: 215
1987 kWh generated: 0
1987 kWh purchased: 2,307,446
1987 kWh sold: 2,005,357
1987 revenues: $166,000

Danville, City of
105 W. Shepherd St., Box 265
Danville, Iowa 52623
(319) 392-4685
Allen W. Schillie, Superintendent
customers: 399
1987 kWh generated: 0
1987 kWh purchased: 5,180,000
1987 kWh sold: 4,365,754
1987 revenues: $267,000

Dayton, City of
101 S. Main St.
Dayton, Iowa 50530
(515) 547-2711
Shirley B. Miller, City Clerk
customers: 455
nameplate capacity (kW): oil 318;
gas 1,065
1987 kWh generated: 0
1987 kWh purchased: 4,609,415
1987 kWh sold: 3,784,636
1987 revenues: $276,000

Denison, City of†*
41 N. 14th St., Box 518
Denison, Iowa 51442
(712) 263-4154
Brad Roos, General Manager
customers: 3,151
nameplate capacity (kW): gas
1,400; coal 4,500
1987 kWh generated: 0
1987 kWh purchased: 111,082,104
1987 kWh sold: 104,810,122
1987 revenues: $3,634,000
established 1914

Denver, City of
107 N. State St.
Denver, Iowa 50622
(319) 984-5642
Larry Zars, Superintendent
customers: 702
1987 kWh generated: 0
1987 kWh purchased: 8,857,200
1987 kWh sold: 8,360,455
1987 revenues: $540,529

Dike, City of
540 Main St.
Dike, Iowa 50624
(319) 989-2291
Donald Knudsen, Mayor
customers: 394
1987 kWh generated: 0
1987 kWh purchased: 5,059,800
1987 kWh sold: 4,457,756
1987 revenues: $317,000

Durant, City of*
601 4th St.
Durant, Iowa 52747
(319) 785-6218
Greg A. Christensen, Superintendent
customers: 865
nameplate capacity (kW): oil 1,918;
gas 2,070
1987 kWh generated: 0
1987 kWh purchased: 12,679,618
1987 kWh sold: 11,346,636
1987 revenues: $724,000
established 1942

Dysart, City of
436 Main St.
Dysart, Iowa 52224
(319) 476-5690
Harold M. Langbehn, Superintendent
customers: 768
1987 kWh generated: 0
1987 kWh purchased: 8,239,200
1987 kWh sold: 6,696,577
1987 revenues: $495,000

Earlville Light & Water System
Box 67
Earlville, Iowa 52041
(319) 923-3365
Vincent Herman, General Manager
customers: 440
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1916

Eldridge, City of
214 N. 2nd St., Box 375
Eldridge, Iowa 52748
(319) 285-4841
Ronald McGill, Electric Foreman
customers: 1,217
1987 kWh generated: 0
1987 kWh purchased: 19,004,160
1987 kWh sold: 16,927,658
1987 revenues: $1,437,000
established 1900

Ellsworth, City of
1551 Dewitt St.
Ellsworth, Iowa 50075
(515) 836-4751
Raymond L. Anderson,
Superintendent
customers: 269
1987 kWh generated: 0
1987 kWh purchased: 10,692,355
1987 kWh sold: 10,609,102
1987 revenues: $709,000

Estherville, City of
2 N. Seventh St.
Estherville, Iowa 51334
(712) 362-7771
Steven D. Woodley, City
Administrator
customers: 3,142
nameplate capacity (kW): gas
19,400
1987 kWh generated: 162,000
1987 kWh purchased: 43,138,000
1987 kWh sold: 39,455,567
1987 revenues: $2,431,000
established 1894

Fairbank, City of
212 Main St., Box 447
Fairbank, Iowa 50629
(319) 635-2869
Ted Vorwald, Superintendent
customers: 499
1987 kWh generated: 0
1987 kWh purchased: 4,760,400
1987 kWh sold: 4,760,400
1987 revenues: $292,000
established 1920

Farnhamville, City of
Box 97
Farnhamville, Iowa 50538
(515) 544-3361
Alan Jorgensen, Superintendent
customers: 217
1987 kWh generated: 0
1987 kWh purchased: 4,363,000
1987 kWh sold: 3,869,881
1987 revenues: $266,000
established 1916

Fonda, City of
Box 367
Fonda, Iowa 50540
(712) 288-6618
Phyllis Ballard, Clerk
customers: 375
1987 kWh generated: 0
1987 kWh purchased: 4,926,200
1987 kWh sold: 4,119,556
1987 revenues: $323,000

Fontanelle, City of†*
313 Washington St
Fontanelle, Iowa 50846
(515) 745-3961
Delmer D. Miller, Superintendent
customers: 471
1987 kWh generated: 0
1987 kWh purchased: 5,672,127
1987 kWh sold: 4,951,740
1987 revenues: $212,000
established 1914

Forest City, City of†*
Box 346
Forest City, Iowa 50436
(515) 582-4597
Charles Merideth, Electric Superintendent
customers: 2,070
nameplate capacity (kW): oil 15,525
1987 kWh generated: 31,700
1987 kWh purchased: 64,445,985
1987 kWh sold: 62,241,148
1987 revenues: $2,823,000
established 1939

Fredericksburg, City of
151 W. Main St
Fredericksburg, Iowa 50630
(319) 237-5725
Norb Gansen, Superintendent
customers: 494
1987 kWh generated: 0
1987 kWh purchased: 28,224,000
1987 kWh sold: 26,529,700
1987 revenues: $1,361,000
established 1915

Glidden, City of
108 Idaho St., Box 349
Glidden, Iowa 51443
(712) 659-3010
Grace A. Thornton, City Clerk
customers: 538
1987 kWh generated: 0
1987 kWh purchased: 6,950,321
1987 kWh sold: 6,097,316
1987 revenues: $268,000
established 1911

Gowrie, City of
1102 Main St
Gowrie, Iowa 50543
(515) 352-3065
Donald G. Borgen, Superintendent
customers: 625
nameplate capacity (kW): oil 3,200
1987 kWh generated: 23,500
1987 kWh purchased: 6,736,798
1987 kWh sold: 6,041,391
1987 revenues: $412,000
established 1934

Graettinger, City of
Box 178
Graettinger, Iowa 51342
(712) 859-3844
Steve Helmke, Superintendent
customers: 496
nameplate capacity (kW): oil 1,100
1987 kWh generated: 0
1987 kWh purchased: 6,801,000
1987 kWh sold: 6,368,000
1987 revenues: $264,000
established 1941

Grafton, City of
Box 263
Grafton, Iowa 50440
(515) 748-2735
Chloe Ann Beyer, City Clerk
customers: 103
1987 kWh generated: 0
1987 kWh purchased: 1,816,200
1987 kWh sold: 1,514,351
1987 revenues: $97,000

Grand Junction, City of
305 11th St
Grand Junction, Iowa 50107
(515) 738-2285
Eleanor Krieger, City Clerk
customers: 520
nameplate capacity (kW): oil 4,000; gas 560
1987 kWh generated: 0
1987 kWh purchased: 4,366,000
1987 kWh sold: 3,909,566
1987 revenues: $406,000
established 1932

Greenfield, City of*
211 S. First St., Box 95
Greenfield, Iowa 50849
(515) 743-2914
Duane Armstead, Superintendent
customers: 1,336
nameplate capacity (kW): oil 6,100
1987 kWh generated: 48,100
1987 kWh purchased: 18,623,898
1987 kWh sold: 17,091,182
1987 revenues: $1,176,000
established 1890

Grundy Center, City of†*
506 Seventh St., Box 307
Grundy Center, Iowa 50638
(319) 824-5207
Edward R. Ayers, General Manager
customers: 1,382
nameplate capacity (kW): oil 5,800
1987 kWh generated: 92,860
1987 kWh purchased: 22,646,380
1987 kWh sold: 22,251,820
1987 revenues: $1,408,000
established 1941

Guttenburg, City of*
Box D
Guttenberg, Iowa 52052
(319) 252-1161
Larry D. Krones, City Manager
customers: 1,195
1987 kWh generated: 0
1987 kWh purchased: 14,162,000
1987 kWh sold: 13,565,000
1987 revenues: $852,000

Harlan, City of†*
Box 71
Harlan, Iowa 51537
(712) 755-5182
F. James Kalal, General Manager
customers: 2,654
nameplate capacity (kW): oil 6,396
1987 kWh generated: 20,743,000
1987 kWh purchased: 40,428,993
1987 kWh sold: 43,513,132
1987 revenues: $2,701,000
established 1891

Hartley, City of†*
169 S. Central Ave
Hartley, Iowa 51346
(712) 728-2240
Dean E. Meyer, Superintendent of Public Works
customers: 898
nameplate capacity (kW): oil 2,300
1987 kWh generated: 0
1987 kWh purchased: 15,772,000
1987 kWh sold: 13,557,000
1987 revenues: $590,000
established 1908

Hawarden, City of†*
700 Seventh St
Hawarden, Iowa 51023
(712) 552-2565
Larry Milroy, Superintendent of Public Works
customers: 1,283
nameplate capacity (kW): oil 2,640
1987 kWh generated: 0
1987 kWh purchased: 22,159,142
1987 kWh sold: 19,864,597
1987 revenues: $794,000
established 1894

Hinton, City of
205 W. Main St
Hinton, Iowa 51024
(712) 947-4732
Donald Krause, Superintendent
customers: 249
1987 kWh generated: 0
1987 kWh purchased: 3,539,181
1987 kWh sold: 3,332,914
1987 revenues: $264,000
established 1910

Hopkinton, City of
First St
Hopkinton, Iowa 52237
(319) 926-2480
Robert W. Sewell, Superintendent
customers: 372
nameplate capacity (kW): oil 2,900
1987 kWh generated: 76,445
1987 kWh purchased: 8,791,200
1987 kWh sold: 8,186,413
1987 revenues: $629,000
established 1937

Hudson, City of
329 Fifth St
Hudson, Iowa 50643
(319) 988-3600
Rick Andorf, Superintendent
customers: 755
1987 kWh generated: 0
1987 kWh purchased: 11,678,319
1987 kWh sold: 11,678,319
1987 revenues: $1,007,000
established 1910

Independence, City of*
711 Seventh Ave. N.E.
Independence, Iowa 50644
(319) 334-3880
Jerry L. Barske, Manager
customers: 3,209
nameplate capacity (kW): oil 15,175
1987 kWh generated: 261,258
1987 kWh purchased: 45,497,000
1987 kWh sold: 42,617,330
1987 revenues: $2,684,000
established 1920

Indianola, City of†*
110 N. First St.
Indianola, Iowa 50125
(515) 961-9444
Roger A. Wood, General Manager
customers: 4,736
nameplate capacity (kW): oil 34,500
1987 kWh generated: 0
1987 kWh purchased: 69,644,000
1987 kWh sold: 63,866,000
1987 revenues: $4,246,000
established 1891

Iowa State University
Ames, Iowa 50011
(515) 294-8079
William W. Whitman, Vice President
customers: 2,000
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Keosauqua, City of
Box 216
Keosauqua, Iowa 52565
(319) 293-3406
Donald E. Carruthers, Superintendent
customers: 525
nameplate capacity (kW): oil 1,060
1987 kWh generated: 0
1987 kWh purchased: 9,587,250
1987 kWh sold: 8,558,806
1987 revenues: $532,000

Kimballton, City of†*
Kimballton, Iowa 51543
(712) 773-3451
Lloyd A. Petersen, Utilities Superintendent
customers: 203
nameplate capacity (kW): oil 500
1987 kWh generated: 0
1987 kWh purchased: 2,158,524
1987 kWh sold: 1,861,854
1987 revenues: $89,000
established 1921

La Porte City, City of
200 Main St.
La Porte City, Iowa 50651
(319) 342-2053
Edward Archer, Superintendent
customers: 1,051
nameplate capacity (kW): oil 900; gas 1,900
1987 kWh generated: 43,080
1987 kWh purchased: 12,510,361
1987 kWh sold: 11,278,916
1987 revenues: $631,000
established 1935

Lake Mills, City of*
105 W. Main St.
Lake Mills, Iowa 50450
(515) 592-2441
Donald F. Wirt, Director of Utilities
customers: 1,113
nameplate capacity (kW): oil 11,600
1987 kWh generated: 106,800
1987 kWh purchased: 23,626,635
1987 kWh sold: 22,588,773
1987 revenues: $1,335,000
established 1932

Lake Park, City of†*
204 Market St.
Lake Park, Iowa 51347
(712) 832-3667
Brad Brinkman, Manager
customers: 539
nameplate capacity (kW): oil 2,900
1987 kWh generated: 0
1987 kWh purchased: 7,115,008
1987 kWh sold: 6,358,008
1987 revenues: $356,000
established 1947

Lake View, City of
305 Main St
Lake View, Iowa 51450
(712) 657-2122
Eugene G. Meyers, Director of Operations
customers: 1,256
1987 kWh generated: 0
1987 kWh purchased: 16,187,602
1987 kWh sold: 15,093,619
1987 revenues: $550,000
established 1915

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

Lamoni, City of*
111 S. Chestnut St.
Lamoni, Iowa 50140
(515) 784-6911
Robert A. Moore, Superintendent
customers: 1,016
nameplate capacity (kW): oil 5,203
1987 kWh generated: 125,500
1987 kWh purchased: 15,995,939
1987 kWh sold: 14,438,073
1987 revenues: $965,000
established 1940

Larchwood, City of
Box 216
Larchwood, Iowa 51241
(712) 477-2366
LaVonne Reinke, City Clerk
customers: 324
1987 kWh generated: 0
1987 kWh purchased: 4,160,438
1987 kWh sold: 3,694,221
1987 revenues: $222,000

Laurens, City of*
210 Railroad St.
Laurens, Iowa 50554
(712) 845-4610
Michael D. Sangwin, Superintendent
customers: 904
nameplate capacity (kW): oil 2,600
1987 kWh generated: 16,046,351
1987 kWh purchased: 15,855,593
1987 kWh sold: 30,580,976
1987 revenues: $1,058,000
established 1949

Lawler, City of
Box 215
Lawler, Iowa 52154
(319) 238-3614
Karen Huben, City Clerk
customers: 288
1987 kWh generated: 0
1987 kWh purchased: 2,708,000
1987 kWh sold: 2,703,750
1987 revenues: $165,000

Lehigh, City of
241 Elm St., Box 317
Lehigh, Iowa 50557
(515) 359-2311
Franklin Boering, Superintendent
customers: 294
1987 kWh generated: 0
1987 kWh purchased: 2,167,200
1987 kWh sold: 1,886,898
1987 revenues: $156,000

Lenox, City of†*
Box 96
Lenox, Iowa 50851
(515) 333-2550
David D. Ferris, Superintendent of Utilities
customers: 728
nameplate capacity (kW): oil 2,300
1987 kWh generated: 15,700
1987 kWh purchased: 12,585,382
1987 kWh sold: 11,909,140
1987 revenues: $350,000
established 1931

Livermore, City of
421 Fourth St., Box 16
Livermore, Iowa 50558
(515) 379-1074
Steve Berte, Superintendent
customers: 234
1987 kWh generated: 0
1987 kWh purchased: 2,722,000
1987 kWh sold: 2,101,000
1987 revenues: $185,000

Long Grove, City of
Box 210
Long Grove, Iowa 52756
(319) 285-7201
Joel McCubbin, Director of Public Works
customers: 187
1987 kWh generated: 0
1987 kWh purchased: 2,247,000
1987 kWh sold: 1,844,350
1987 revenues: $141,000

Manilla, City of†*
443 Main St., Box 398
Manilla, Iowa 51454
(712) 654-3952
James H. Macumber, Superintendent
customers: 498
nameplate capacity (kW): oil 11,000
1987 kWh generated: 0
1987 kWh purchased: 7,261,212
1987 kWh sold: 6,567,257
1987 revenues: $317,000
established 1915

Manning, City of*
719 Third St.
Manning, Iowa 51455
(712) 653-3214
Gerald Beck, Manager
customers: 829
1987 kWh generated: 0
1987 kWh purchased: 23,651,331
1987 kWh sold: 22,436,855
1987 revenues: $1,168,000
established 1937

Mapleton, City of
513 Main St.
Mapleton, Iowa 51034
(712) 882-1351
Tom LeFebvre, Electrical Superintendent
customers: 814
nameplate capacity (kW): oil 1,300
1987 kWh generated: 0
1987 kWh purchased: 11,504,000
1987 kWh sold: 10,146,000
1987 revenues: $700,000

Maquoketa, City of†*
231 S. Main St.
Maquoketa, Iowa 52060
(319) 652-6891
Terry M. Campie, Utility Manager
customers: 3,390
nameplate capacity (kW): oil 2,400; gas 14,200
1987 kWh generated: 4,912,800
1987 kWh purchased: 48,759,812
1987 kWh sold: 49,916,485
1987 revenues: $3,773,000
established 1919

Marathon, City of
Box 188
Marathon, Iowa 50565
(712) 289-2261
Robert Evans, Electrical Superintendent
customers: 236
1987 kWh generated: 0
1987 kWh purchased: 2,349,600
1987 kWh sold: 2,014,272
1987 revenues: $180,000
established 1916

McGregor, City of
126 First St.
McGregor, Iowa 52157
(319) 873-2258
M. Weller, Foreman
customers: 579
nameplate capacity (kW): oil 2,000
1987 kWh generated: 115,130
1987 kWh purchased: 6,893,000
1987 kWh sold: 6,459,554
1987 revenues: $511,000
established 1941

Milford, City of*
907 11th St.
Milford, Iowa 51351
(712) 338-4376
Robert W. Sewell, Manager
customers: 1,084
nameplate capacity (kW): oil 1,500
1987 kWh generated: 0
1987 kWh purchased: 19,165,981
1987 kWh sold: 18,363,993
1987 revenues: $741,000
established 1935

Montezuma, City of*
406 E. Washington
Montezuma, Iowa 50171
(515) 623-5102
Don H. Fahlenkamp, Superintendent
customers: 828
nameplate capacity (kW): oil 6,388
1987 kWh generated: 52,441
1987 kWh purchased: 15,149,200
1987 kWh sold: 13,936,179
1987 revenues: $951,000
established 1939

Mount Pleasant, City of*
509 N. Adams St., Box 637
Mount Pleasant, Iowa 52641
(319) 385-2121
Manager
customers: 3,518
nameplate capacity (kW): oil 1,000; coal 10,500
1987 kWh generated: 148,300
1987 kWh purchased: 48,974,400
1987 kWh sold: 42,247,121
1987 revenues: $2,936,000
established 1897

Muscatine, City of*
3205 Cedar St., Box 899
Muscatine, Iowa 52761
(319) 263-2631
Clyde L. Bowen, General Manager
customers: 10,305
nameplate capacity (kW): coal 268,500
1987 kWh generated 1,107,652,245
1987 kWh purchased: 7,937,000
1987 kWh sold: 1,084,447,832
1987 revenues: $70,169,000
established 1922

Neola, City of
103 Third St.
Neola, Iowa 51559
(712) 485-2307
George Soppe, Manager
customers: 450
1987 kWh generated: 0
1987 kWh purchased: 4,242,000
1987 kWh sold: 3,388,969
1987 revenues: $216,000
established 1898

New Hampton, City of*
921 Canty Ave.
New Hampton, Iowa 50659
(515) 394-3002
Robert K. Kamrath, Superintendent
customers: 2,351
nameplate capacity (kW): gas 16,020
1987 kWh generated: 0
1987 kWh purchased: 49,649,631
1987 kWh sold: 47,528,966
1987 revenues: $2,551,000
established 1903

New London, City of
112 W. Main St.
New London, Iowa 52645
(319) 367-5623
John R. Poe, Superintendent
customers: 1,176
1987 kWh generated: 0
1987 kWh purchased: 13,150,200
1987 kWh sold: 11,952,781
1987 revenues: $816,000
established 1909

Ogden, City of*
N.W. Third & W. Locust
Ogden, Iowa 50212
(515) 275-2437
Daniel L. Wilson, Superintendent
customers: 1,055
nameplate capacity (kW): oil 3,980
1987 kWh generated: 86,600
1987 kWh purchased: 11,337,911
1987 kWh sold: 10,670,092
1987 revenues: $681,000
established 1930

Onawa, City of*
914 Diamond
Onawa, Iowa 51040
(712) 423-1181
Jeff Sander, Superintendent
customers: 2,045
nameplate capacity (kW): oil 3,210
1987 kWh generated: 0
1987 kWh purchased: 22,810,509
1987 kWh sold: 21,042,961
1987 revenues: $1,209,000
established 1896

Orange City, City of†*
125 Central Ave. SE
Orange City, Iowa 51041
(712) 737-4885
Don Schreur, City Administrator
customers: 2,002
nameplate capacity (kW): oil 3,600
1987 kWh generated: 0
1987 kWh purchased: 48,601,800
1987 kWh sold: 45,594,736
1987 revenues: $2,357,000
established 1921

Orient, City of
Box 116
Orient, Iowa 50858
(515) 337-5711
Martin Wagner, Superintendent
customers: 219
1987 kWh generated: 0
1987 kWh purchased: 1,816,800
1987 kWh sold: 1,553,800
1987 revenues: $130,000

Osage, City of†*
720 Chestnut St., Box 207
Osage, Iowa 50461
(515) 732-3731
Weston D. Birdsall, General Manager
customers: 2,050
nameplate capacity (kW): oil 11,650
1987 kWh generated: 392,893
1987 kWh purchased: 31,677,277
1987 kWh sold: 29,622,243
1987 revenues: $1,413,000
established 1941

Panora, City of
102 N.W. Second St.
Panora, Iowa 50216
(515) 755-2164
V. L. Schieffer Jr., Electrical Superintendent
customers: 672
1987 kWh generated: 0
1987 kWh purchased: 9,600,360
1987 kWh sold: 9,600,360
1987 revenues: $655,000
established 1921

Paton, City of
Paton, Iowa 50217
(515) 968-4133
Dennis Subbert, Superintendent
customers: 186

1987 kWh generated: 0
1987 kWh purchased: 2,323,062
1987 kWh sold: 1,951,372
1987 revenues: $187,000
established 1920

Paullina, City of†*
127 S. Main St.
Paullina, Iowa 51046
(712) 448-3428
Donald T. Dawson, City Clerk/Administrator
customers: 670
nameplate capacity (kW): oil 1,600
1987 kWh generated: 0
1987 kWh purchased: 7,197,360
1987 kWh sold: 6,481,926
1987 revenues: $432,000
established 1919

Pella, City of
717 Main St.
Pella, Iowa 50219
(515) 628-2581
George W. Carson, Superintendent
customers: 3,894
nameplate capacity (kW): coal 38,000
1987 kWh generated: 100,925,400
1987 kWh purchased: 13,741,000
1987 kWh sold: 103,390,375
1987 revenues: $5,731,000
established 1909

Pocahontas, City of*
14 Second Ave. N.W.
Pocahontas, Iowa 50574
(712) 335-4841
Jack Gould, Electric Superintendent
customers: 1,190
1987 kWh generated: 0
1987 kWh purchased: 17,551,564
1987 kWh sold: 15,397,047
1987 revenues: $1,012,000
established 1912

Preston, City of†*
12 W. Gillet St., Box 37
Preston, Iowa 52069
(319) 689-3081
Gary Driscoll, Superintendent
customers: 507
nameplate capacity (kW): oil 2,400; gas 1,800
1987 kWh generated: 74,600
1987 kWh purchased: 10,212,800
1987 kWh sold: 9,680,377
1987 revenues: $658,000
established 1939

Primghar, City of†*
741 16th St.
Primghar, Iowa 51245
(712) 757-2435
Robert L. Mulder, Superintendent
customers: 560
nameplate capacity (kW): oil 1,400
1987 kWh generated: 0
1987 kWh purchased: 7,310,645
1987 kWh sold: 6,244,265
1987 revenues: $333,000
established 1939

Readlyn, City of
Box 70
Readlyn, Iowa 50668
(319) 279-3411
Lois Buhr, Clerk
customers: 366
1987 kWh generated: 0
1987 kWh purchased: 4,148,000
1987 kWh sold: 3,895,000
1987 revenues: $257,000

Remsen, City of†*
125 E. First St.
Remsen, Iowa 51050
(712) 786-2441
Louis A. Huewe, Superintendent
customers: 825
nameplate capacity (kW): oil 1,400
1987 kWh generated: 0
1987 kWh purchased: 11,370,655
1987 kWh sold: 10,751,758
1987 revenues: $425,000
established 1933

Renwick, City of
Box 174
Renwick, Iowa 50577
(515) 824-3511
Galen Engstrom, Superintendent
customers: 186
nameplate capacity (kW): oil 483
1987 kWh generated: 0
1987 kWh purchased: 2,939,774
1987 kWh sold: 2,572,238
1987 revenues: $189,000
established 1928

Rock Rapids, City of†*
310 S. Third Ave.
Rock Rapids, Iowa 51246
(712) 472-2511
William G. Tobin, Manager
customers: 1,299
nameplate capacity (kW): oil 2,500
1987 kWh generated: 3,120
1987 kWh purchased: 21,582,000
1987 kWh sold: 19,299,148
1987 revenues: $880,000
established 1896

Rockford, City of
20 Second St. N.W.
Rockford, Iowa 50468
(515) 756-2215
Gary Schriever, Superintendent
customers: 522
nameplate capacity (kW): oil 1,865
1987 kWh generated: 8,000
1987 kWh purchased: 4,898,000
1987 kWh sold: 4,475,885
1987 revenues: $338,000
established 1935

Sabula, City of
411 Broad St.
Sabula, Iowa 52070
(319) 687-2420
C. B. Cotton, City Manager
customers: 398
1987 kWh generated: 0
1987 kWh purchased: 3,438,000
1987 kWh sold: 3,411,031
1987 revenues: $223,000
established 1965

Sanborn, City of†*
Box 548
Sanborn, Iowa 51248
(712) 729-3974
Allen Bonderman, General Manager
customers: 670
nameplate capacity (kW): oil 1,500
1987 kWh generated: 0
1987 kWh purchased: 13,776,722
1987 kWh sold: 12,901,328
1987 revenues: $602,000
established 1947

Sergeant Bluff, City of
Box 703
Sergeant Bluff, Iowa 51054
(712) 943-4244
Roger Groves, Maintenance Superintendent
customers: 1,030
1987 kWh generated: 0
1987 kWh purchased: 17,915,580
1987 kWh sold: 15,986,467
1987 revenues: $1,197,000
established 1933

Shelby, City of†*
419 East St.
Shelby, Iowa 51570
(712) 544-2404
Lawrence E. Brown, Superintendent
customers: 325
1987 kWh generated: 0
1987 kWh purchased: 4,533,189
1987 kWh sold: 4,037,585
1987 revenues: $164,000

Sheldon, City of*
Box 276
Sheldon, Iowa 51201
(712) 324-4601
William J. Rush, City Manager
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Sibley, City of*
1108 Third Ave.
Sibley, Iowa 51249
(712) 754-3454
Gary Obbink, Superintendent
customers: 1,555
nameplate capacity (kW): oil 4,456
1987 kWh generated: 114,050
1987 kWh purchased: 31,420,281
1987 kWh sold: 30,130,905
1987 revenues: $1,497,000
established 1915

Sioux Center, City of†*
337 N. Main Ave.
Sioux Center, Iowa 51250
(712) 722-0761
Harold Schiebout, Superintendent
customers: 1,788
nameplate capacity (kW): oil 1,465
1987 kWh generated: 6,800
1987 kWh purchased: 44,052,790
1987 kWh sold: 42,467,045
1987 revenues: $1,931,000
established 1949

Spencer, City of†*
712 N. Grand Ave.
Spencer, Iowa 51301
(712) 262-3027
Neal Drefke, General Manager
customers: 5,384
nameplate capacity (kW): oil 36,800; coal 7,807
1987 kWh generated: 35,525,374
1987 kWh purchased: 97,969,444
1987 kWh sold: 124,204,319
1987 revenues: $4,567,000
established 1901

Stanhope, City of
665 Iowa St.
Stanhope, Iowa 50246
(515) 826-3290
R. L. McKenzie, Clerk
customers: 248
1987 kWh generated: 0
1987 kWh purchased: 2,679,300
1987 kWh sold: 2,323,077
1987 revenues: $170,000

Stanton, City of
113 Hilltop Ave.
Stanton, Iowa 51573
(712) 829-2613
Larry Johnson, Manager
customers: 290
1987 kWh generated: 0
1987 kWh purchased: 4,860,251
1987 kWh sold: 5,173,891
1987 revenues: $184,000
established 1937

State Center, City of
Box 668
State Center, Iowa 50247
(515) 483-2590
Maynard P. Stief, City Superintendent
customers: 803
nameplate capacity (kW): oil 5,672
1987 kWh generated: 211,000
1987 kWh purchased: 10,774,400
1987 kWh sold: 9,379,800
1987 revenues: $709,000
established 1899

Story City, City of†*
504 Broad St.
Story City, Iowa 50248
(515) 733-4691
Gene R. Twedt, Superintendent
customers: 1,479
nameplate capacity (kW): oil 9,020
1987 kWh generated: 293,000
1987 kWh purchased: 21,088,000
1987 kWh sold: 18,911,820
1987 revenues: $1,245,000
established 1904

Stratford, City of
Shakespeare Ave.
Stratford, Iowa 50249
(515) 838-2311
Geraldine Conklin, Clerk
customers: 407
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1920

Strawberry Point, City of
507 Commercial St., Box 297
Strawberry Point, Iowa 52076
(319) 933-4482
James Knott, City Administrator
customers: 671
nameplate capacity (kW): oil 2,500
1987 kWh generated: 160,870
1987 kWh purchased: 7,002,000
1987 kWh sold: 6,284,925
1987 revenues: $519,000
established 1928

Stuart, City of*
1210 Front St.
Stuart, Iowa 50250
(515) 523-2915
Bill Gilliam, Superintendent
customers: 827
nameplate capacity (kW): oil 2,900
1987 kWh generated: 127,700
1987 kWh purchased: 10,464,161
1987 kWh sold: 8,966,382
1987 revenues: $645,000
established 1891

Sumner, City of†*
105 Wapsie St.
Sumner, Iowa 50674
(319) 578-5611
Robert Jergens, Superintendent
customers: 1,087
nameplate capacity (kW): oil 1,700; gas 3,850
1987 kWh generated: 15,520
1987 kWh purchased: 13,394,820
1987 kWh sold: 12,795,448
1987 revenues: $882,000
established 1935

Tennant, City of
Tennant, Iowa 51572
(712) 744-3480
Donna Peters, Clerk

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†Member, Demonstration of Energy-Efficient Developments program

customers: 30
1987 kWh generated: 0
1987 kWh purchased: 334,379
1987 kWh sold: 334,379
1987 revenues: $30,000
established 1986

Tipton, City of*
407 Lynn St.
Tipton, Iowa 52772
(319) 886-6187
Robert Snavely, City Coordinator
customers: 1,647
nameplate capacity (kW): oil 770; gas 4,000
1987 kWh generated: 15,605,100
1987 kWh purchased: 3,905,272
1987 kWh sold: 17,654,562
1987 revenues: $1,379,420
established 1916

Traer, City of†*
649 Second St.
Traer, Iowa 50675
(319) 478-8760
Kent Holst, General Manager
customers: 1,036
nameplate capacity (kW): oil 4,400
1987 kWh generated: 208,800
1987 kWh purchased: 14,172,700
1987 kWh sold: 13,066,111
1987 revenues: $1,029,000
established 1917

Villisca, City of†*
City Hall, S. Third Ave.
Villisca, Iowa 50864
(712) 826-3192
Superintendent
customers: 866
nameplate capacity (kW): oil 900; gas 1,100
1987 kWh generated: 10,383,059
1987 kWh purchased: 0
1987 kWh sold: 9,037,718
1987 revenues: $320,000
established 1936

Vinton, City of
501 First Ave.
Vinton, Iowa 52349
(319) 472-3663
Collin D. Engebretson, Manager of Light Plant
customers: 2,375
nameplate capacity (kW): oil 15,910
1987 kWh generated: 1,458,000
1987 kWh purchased: 28,260,000
1987 kWh sold: 27,030,692
1987 revenues: $1,946,000
established 1913

Wall Lake, City of†*
Box 27
Wall Lake, Iowa 51466
(712) 664-2216
Orville Franck, Mayor
customers: 450
1987 kWh generated: 0
1987 kWh purchased: 8,462,736
1987 kWh sold: 7,007,393
1987 revenues: $319,000
established 1903

Waverly, City of†*
1500 W. Bremer Ave.
Waverly, Iowa 50677
(319) 352-6251
Robert O. Morse, Director
customers: 3,734
nameplate capacity (kW): oil 2,600; gas 13,595; coal 8,119; hydro 495
1987 kWh generated: 37,267,940
1987 kWh purchased: 40,798,691
1987 kWh sold: 74,067,441
1987 revenues: $4,870,000
established 1904

Webster City, City of
City Hall, Box 217
Webster City, Iowa 50595
(515) 832-5701
R. E. Hays, City Manager
customers: 4,174
nameplate capacity (kW): oil 23,000; coal 16,637
1987 kWh generated: 0
1987 kWh purchased: 87,836,212
1987 kWh sold: 83,802,505
1987 revenues: $5,097,000
established 1890

West Bend, City of
City Hall, Box 37
West Bend, Iowa 50597
(515) 887-5585
Joe Mikes, Superintendent
customers: 595
nameplate capacity (kW): oil 4,747
1987 kWh generated: 60,000
1987 kWh purchased: 11,766,000
1987 kWh sold: 10,648,412
1987 revenues: $752,000
established 1915

West Liberty, City of
101 W. 4th St.
West Liberty, Iowa 52776
(319) 627-2418
Edward R. Stiff, City Manager
customers: 1,303
nameplate capacity (kW): oil 6,356
1987 kWh generated: 282,900
1987 kWh purchased: 42,445,481
1987 kWh sold: 40,198,567
1987 revenues: $2,419,000
established 1897

West Point, City of
313 Fifth St.
West Point, Iowa 52656
(319) 837-6313
Richard J. Krueger Jr., City Administrator
customers: 635
1987 kWh generated: 0
1987 kWh purchased: 9,248,400
1987 kWh sold: 8,308,153
1987 revenues: $536,000

Westfield, Town of
Box 5
Westfield, Iowa 51062
(712) 568-2631
Barbette Grimm, Clerk
customers: 89
1987 kWh generated: 0
1987 kWh purchased: 799,200
1987 kWh sold: 799,200
1987 revenues: $70,000

Whittemore, City of
Box 127
Whittemore, Iowa 50598
(515) 884-2265
Michael D. Elbert, Superintendent
customers: 321
nameplate capacity (kW): oil 2,064
1987 kWh generated: 29,300
1987 kWh purchased: 4,686,400
1987 kWh sold: 4,355,706
1987 revenues: $288,000

Wilton, City of*
104 E. Fourth St.
Wilton, Iowa 52778
(319) 732-2929
Richard J. Cayton, Superintendent
customers: 1,258
nameplate capacity (kW): oil 4,335
1987 kWh generated: 5,156
1987 kWh purchased: 17,783,155
1987 kWh sold: 16,362,952
1987 revenues: $1,063,000
established 1891

Winterset, City of*
321 N. First St.
Winterset, Iowa 50273
(515) 462-2152
Mike Willetts, Superintendent
customers: 2,026
nameplate capacity (kW): oil 8,600
1987 kWh generated: 0
1987 kWh purchased: 27,285,808
1987 kWh sold: 26,702,000
1987 revenues: $1,556,000
established 1889

Woodbine, City of†*
517 Walker St.
Woodbine, Iowa 51579
(712) 647-2340
Rory Weis, Superintendent
customers: 725
nameplate capacity (kW): oil 5,000
1987 kWh generated: 0
1987 kWh purchased: 11,469,254
1987 kWh sold: 10,447,177
1987 revenues: $480,000
established 1941

Woolstock, City of
Box 57
Woolstock, Iowa 50599
(515) 839-5531
Hazel Brock, Clerk
customers: 118
1987 kWh generated: 0
1987 kWh purchased: 1,504,300
1987 kWh sold: 1,353,157
1987 revenues: $94,000

KANSAS

Alma, City of
326 Missouri
Alma, Kan. 66401
(913) 765-3922
Max Kraus, Superintendent
customers: 472
1987 kWh generated: 0
1987 kWh purchased: 5,393,600
1987 kWh sold: 4,999,875
1987 revenues: $411,000
established 1938

Altamont, City of
407 S. Houston
Altamont, Kan. 67330
(316) 784-5612
Denzil Davidson, Superintendent
customers: 508
1987 kWh generated: 0
1987 kWh purchased: 6,302,400
1987 kWh sold: 5,808,608
1987 revenues: $472,000
established 1934

Anthony, City of*
124 S. Bluff Ave.
Anthony, Kan. 67003
(316) 842-5960
Jack C. Scott, Superintendent
customers: 2,050
nameplate capacity (kW): gas 16,400
1987 kWh generated: 9,162,200
1987 kWh purchased: 15,779,000
1987 kWh sold: 21,544,341
1987 revenues: $1,444,000
established 1909

Arcadia, City of
Box 126
Arcadia, Kan. 66711
(316) 638-4310
Nancy Sisney, City Clerk
customers: 216
1987 kWh generated: 0
1987 kWh purchased: 1,570,400
1987 kWh sold: 1,270,826
1987 revenues: $123,000
established 1913

Arma, City of
701 E. Washington, Box 829
Arma, Kan. 66712
(316) 347-4125
James C. Jones, Utility Superintendent
customers: 700
1987 kWh generated: 0
1987 kWh purchased: 7,988,040
1987 kWh sold: 7,262,501
1987 revenues: $629,000
established 1909

Ashland, City of
703 Main St., Box 547
Ashland, Kan. 67831
(316) 635-2512
Donald R. German, City Superintendent
customers: 698
nameplate capacity: unavailable
1987 kWh generated: 4,222,400
1987 kWh purchased: 4,419,432
1987 kWh sold: 7,290,028
1987 revenues: $622,000
established 1909

Attica, City of
Box 421
Attica, Kan. 67009
(316) 254-7228
Don Bateman, City Superintendent
customers: 471
nameplate capacity (kW): oil 3,480
1987 kWh generated: 22,350
1987 kWh purchased: 6,014,361
1987 kWh sold: 5,862,698
1987 revenues: $414,000

Augusta, City of
Sixth & School Sts., Box 489
Augusta, Kan. 67010
(316) 775-2391
James W. Rawlings, Superintendent
customers: 3,918
nameplate capacity (kW): oil 2,600
1987 kWh generated: 3,641,700
1987 kWh purchased: 48,949,700
1987 kWh sold: 50,502,251
1987 revenues: $2,823,000
established 1911

Axtell, City of
401 Maple St., Box A
Axtell, Kan. 66403
(913) 736-2834
Roger Koch, Superintendent
customers: 247
1987 kWh generated: 0
1987 kWh purchased: 2,062,400
1987 kWh sold: 1,668,123
1987 revenues: $142,000

Baldwin City, City of
605 High St.
Baldwin City, Kan. 66006
(913) 594-3261
John W. Hill, City Superintendent
customers: 1,120
nameplate capacity (kW): oil 6,120
1987 kWh generated: 234,900
1987 kWh purchased: 15,296,700
1987 kWh sold: 13,634,932
1987 revenues: $955,000

Belleville, City of*
1819 L St., Box 280
Belleville, Kan. 66935
(913) 527-2288
Richard Cotton, City Manager
customers: 1,571
nameplate capacity (kW): gas 13,200

1987 kWh generated: 19,997,772
1987 kWh purchased: 0
1987 kWh sold: 17,579,804
1987 revenues: $1,353,000
established 1923

Beloit, City of
215 S. Chestnut St.
Beloit, Kan. 67420
(913) 738-5121
Jack Saltkill, Superintendent
customers: 1,699
nameplate capacity (kW): oil 19,350; other 600
1987 kWh generated: 1,960,200
1987 kWh purchased: 32,584,113
1987 kWh sold: 27,523,938
1987 revenues: $1,805,000
established 1908

Blue Mound, City of
Blue Mound, Kan. 66010
(913) 756-2338
Ralph Kastl, Mayor
customers: 159
1987 kWh generated: 0
1987 kWh purchased: 1,405,800
1987 kWh sold: 1,216,709
1987 revenues: $88,000

Bronson, City of
411 Clay St.
Bronson, Kan. 66716
(316) 939-4578
Ellen Harper, Clerk
customers: 198
1987 kWh generated: 0
1987 kWh purchased: 1,939,200
1987 kWh sold: 1,589,200
1987 revenues: $130,000
established 1926

Burlingame, City of
101 E. Santa Fe
Burlingame, Kan. 66413
(913) 654-3922
Kenneth Rhoads, Clerk
customers: 597
nameplate capacity (kW): oil 3,700
1987 kWh generated: 7,619,500
1987 kWh purchased: 0
1987 kWh sold: 6,204,430
1987 revenues: $495,000
established 1902

Burlington, City of
301 Neosho St.
Burlington, Kan. 66839
(316) 364-5334
Marion J. Logan, Clerk
customers: 1,409
nameplate capacity (kW): oil 600; gas 7,900
1987 kWh generated: 1,636,080
1987 kWh purchased: 19,976,000
1987 kWh sold: 19,264,645
1987 revenues: $1,480,000
established 1935

Cawker City, City of
804 Locust St.
Cawker City, Kan. 67430-0602
(913) 781-4713
Steve Stuart, Electric Superintendent
customers: 433
1987 kWh generated: 0
1987 kWh purchased: 3,857,600
1987 kWh sold: 3,248,070
1987 revenues: $310,000
established 1913

Centralia, City of
517 Fourth St.
Centralia, Kan. 66415
(913) 857-3764
G. L. Luebbe, Clerk
customers: 294
1987 kWh generated: 0
1987 kWh purchased: 2,753,600
1987 kWh sold: 2,691,770
1987 revenues: $247,000

Chanute, City of*
101 S. Lincoln
Chanute, Kan. 66720
(316) 431-9300
Robert H. Walker, City Manager
customers: 5,580
nameplate capacity (kW): oil 2,865; gas 24,700
1987 kWh generated: 6,930,590
1987 kWh purchased: 91,698,146
1987 kWh sold: 90,147,264
1987 revenues: $5,713,000
established 1903

Chapman, City of
402 Marshall St., Box 321
Chapman, Kan. 67431
(913) 922-6582
James Murrison, Superintendent
customers: 639
1987 kWh generated: 0
1987 kWh purchased: 6,284,800
1987 kWh sold: 4,738,059
1987 revenues: $639,000
established 1911

Chetopa, City of
332 Maple St.
Chetopa, Kan. 67336
(316) 236-7511
Mary Addis, City Clerk
customers: 766
1987 kWh generated: 0
1987 kWh purchased: 11,257,600
1987 kWh sold: 9,503,543
1987 revenues: $470,000

Cimarron, City of
119 S. Main St., Box 467
Cimarron, Kan. 67835
(316) 855-2322
Vernon Hanna, City Superintendent
customers: 843
1987 kWh generated: 0
1987 kWh purchased: 12,717,600
1987 kWh sold: 11,024,045
1987 revenues: $983,000

Clay Center, City of*
427 Court St.
Clay Center, Kan. 67432
(913) 632-2137
D. D. Dierking, Superintendent
customers: 3,224
nameplate capacity (kW): gas 17,600
1987 kWh generated: 18,715,100
1987 kWh purchased: 21,139,200
1987 kWh sold: 32,817,219
1987 revenues: $2,380,000
established 1907

Coffeyville, City of*
Box 1629
Coffeyville, Kan. 67337
(316) 251-7000
Gayle Bradley, Director of Utility
customers: 8,362
nameplate capacity (kW): gas 40,000
1987 kWh generated: 22,754,289
1987 kWh purchased: 130,189,356
1987 kWh sold: 140,247,049
1987 revenues: $9,428,000
established 1901

Colby, City of*
585 N. Franklin St.
Colby, Kan. 67701
(913) 462-3973
Jim Whitney, Director
customers: 2,667
nameplate capacity (kW): oil 17,500
1987 kWh generated: 71,500
1987 kWh purchased: 43,543,500
1987 kWh sold: 33,686,654
1987 revenues: $2,026,000
established 1910

DeSoto, City of
33150 W. 83rd St., Box C
DeSoto, Kan. 66018
(913) 585-1182
Eldon Brown, Utility Superintendent
customers: 850
1987 kWh generated: 0
1987 kWh purchased: 10,227,200
1987 kWh sold: 8,601,258
1987 revenues: $801,000
established 1930

Dighton, City of
Box 848
Dighton, Kan. 67839
(316) 397-5541
Leland Moore, Superintendent
customers: 801
1987 kWh generated: 0
1987 kWh purchased: 8,578,800
1987 kWh sold: 7,924,868
1987 revenues: $584,000

Ellinwood, City of
Box 278
Ellinwood, Kan. 67526
(316) 564-2211
Daryle Nielsen, Electrical Superintendent
customers: 1,332
nameplate capacity (kW): oil 8,500
1987 kWh generated: 3,609,100
1987 kWh purchased: 12,588,800
1987 kWh sold: 11,640,732
1987 revenues: $1,047,000
established 1948

Elsmore, City of
Elsmore, Kan. 66732
(316) 754-3291
Velma Huffman, Clerk
customers: 62
1987 kWh generated: 0
1987 kWh purchased: 417,900
1987 kWh sold: 344,000
1987 revenues: $28,000

Elwood, City of
Box 357
Elwood, Kan. 66024
(913) 365-6871
Phyllis McCrory, City Administrator
customers: 451
1987 kWh generated: 0
1987 kWh purchased: 4,766,000
1987 kWh sold: 3,197,000
1987 revenues: $373,000

Enterprise, City of
108 W. First St.
Enterprise, Kan. 67441
(913) 934-2323
Glenn M. Decker, Mayor
customers: 358
1987 kWh generated: 0
1987 kWh purchased: 3,910,400
1987 kWh sold: 3,315,646
1987 revenues: $268,000

Erie, City of*
224 S. Main St.
Erie, Kan. 66733
(316) 244-3488
Donald L. Naff, City Superintendent
customers: 706
nameplate capacity (kW): oil 3,850
1987 kWh generated: 107,700
1987 kWh purchased: 9,913,527
1987 kWh sold: 8,593,999
1987 revenues: $545,000
established 1915

Eudora, City of
Seventh & Main Sts.
Eudora, Kan. 66025
(913) 542-3100
Richard McNett, Superintendent
customers: 1,154
1987 kWh generated: 0
1987 kWh purchased: 12,357,600
1987 kWh sold: 10,774,321
1987 revenues: $937,000

Fredonia Municipal Power Plant
314 N. 7th St.
Fredonia, Kan. 66736
(316) 378-2231
D. W. Schoolcraft, Commissioner
customers: 1,661
nameplate capacity (kW): oil 7,425
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1901

Galva, City of
208 S. Main St.
Galva, Kan. 67443
(316) 654-3561
Vernon R. Koehn, City Superintendent
customers: 317
1987 kWh generated: 0
1987 kWh purchased: 3,234,000
1987 kWh sold: 2,760,038
1987 revenues: $232,000

Garden City, City of
301 N. Eighth St., Box 499
Garden City, Kan. 67846
(316) 276-8263
Deane P. Wiley, City Manager
customers: 9,033
1987 kWh generated: 0
1987 kWh purchased: 139,199,091
1987 kWh sold: 122,742,360
1987 revenues: $12,480,000

Gardner, City of
120 E. Main St.
Gardner, Kan. 66030
(913) 684-7535
James L. Cole, Superintendent
customers: 1,377
1987 kWh generated: 0
1987 kWh purchased: 23,196,390
1987 kWh sold: 21,212,209
1987 revenues: $1,590,000

Garnett, City of*
131 W. Fifth St., Box H
Garnett, Kan. 66032
(913) 448-5496
Richard G. Doran, City Manager
customers: 1,846
nameplate capacity (kW): oil 2,900; gas 10,092
1987 kWh generated: 3,419,280
1987 kWh purchased: 20,239,200
1987 kWh sold: 17,848,424
1987 revenues: $1,448,000
established 1918

Girard, City of
100 S. Ozark St.
Girard, Kan. 66743
(316) 724-8918
Dwight Mays, City Administrator
customers: 1,600
nameplate capacity (kW): oil 4,800
1987 kWh generated: 0

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†Member, Demonstration of Energy-Efficient Developments program

1987 kWh purchased: 23,308,052
1987 kWh sold: 20,509,470
1987 revenues: $1,672,000

Glasco, City of
Box 356
Glasco, Kan. 67445
(913) 568-2705
Carl Adkins, Mayor
customers: 392
1987 kWh generated: 0
1987 kWh purchased: 3,528,000
1987 kWh sold: 3,105,373
1987 revenues: $313,000

Glen Elder, City of
101 S. Market St., Box 55
Glen Elder, Kan. 67446
(913) 545-3322
Geneva Winkel, City Clerk
customers: 352
1987 kWh generated: 0
1987 kWh purchased: 3,492,800
1987 kWh sold: 3,016,156
1987 revenues: $270,000

Goodland, City of*
17th & Cherry Sts.
Goodland, Kan. 67735
(913) 899-5200
Larry Heinrich, Superintendent
customers: 2,892
nameplate capacity (kW): oil 1,970; gas 20,240
1987 kWh generated: 12,327,000
1987 kWh purchased: 29,083,000
1987 kWh sold: 35,492,000
1987 revenues: $2,826,000
established 1937

Greensburg, City of
239 S. Main St.
Greensburg, Kan. 67054
(316) 723-2691
Melvin Simmons, Superintendent
customers: 1,046
nameplate capacity (kW): gas 8,500
1987 kWh generated: 13,082,760
1987 kWh purchased: 0
1987 kWh sold: 10,374,570
1987 revenues: $838,000
established 1911

Haven, City of
118 S. Kansas Ave.
Haven, Kan. 67543
(316) 465-3618
Don R. Huston, Superintendent
customers: 585
1987 kWh generated: 0
1987 kWh purchased: 8,374,000
1987 kWh sold: 7,202,470
1987 revenues: $578,000
established 1908

Herington, City of†*
715 S. Broadway St.
Herington, Kan. 67449
(913) 258-2271
W. A. Wetmore, City Manager
customers: 1,543
nameplate capacity (kW): oil 9,740; gas 8,900
1987 kWh generated: 1,536
1987 kWh purchased: 18,065,000
1987 kWh sold: 16,004,000
1987 revenues: $1,235,000
established 1888

Herndon, City of
Box 98
Herndon, Kan. 67739
(913) 322-5341
Roger Marintzer, Mayor
customers: 153
nameplate capacity (kW): oil 300
1987 kWh generated: 0
1987 kWh purchased: 1,129,200
1987 kWh sold: 1,129,200
1987 revenues: $127,000
established 1937

Hill City, City of
205 N. Pomeroy
Hill City, Kan. 67642
(913) 674-5613
Gale E. Pommerehn, Superintendent
customers: 1,110
nameplate capacity (kW): gas 7,265
1987 kWh generated: 150,350
1987 kWh purchased: 13,314,700
1987 kWh sold: 10,733,000
1987 revenues: $1,107,000
established 1900

Hillsboro, City of
116 E. Grand St.
Hillsboro, Kan. 67063
(316) 947-3162
Michael Chesterfield, Electric Superintendent
customers: 1,421
1987 kWh generated: 0
1987 kWh purchased: 15,354,000
1987 kWh sold: 13,516,813
1987 revenues: $1,291,000
established 1930

Hoisington, City of
164 S. Elm St., Box 418
Hoisington, Kan. 67544
(316) 653-4125
Carl Myers, City Manager
customers: 1,779
nameplate capacity (kW): oil 200; gas 14,394
1987 kWh generated: 7,308,950
1987 kWh purchased: 11,706,706
1987 kWh sold: 16,897,796
1987 revenues: $1,257,000
established 1940

Holton, City of
1000 New Jersey
Holton, Kan. 66436
(913) 364-2721
Eugene Williams, City Manager
customers: 1,912
nameplate capacity (kW): gas 14,600
1987 kWh generated: 3,608,000
1987 kWh purchased: 25,680,000
1987 kWh sold: 26,175,840
1987 revenues: $1,395,000
established 1931

Holyrood, City of
110 S. Main St., Box 67
Holyrood, Kan. 67450
(913) 252-3652
Thomas Randolph, Superintendent
customers: 400
1987 kWh generated: 0
1987 kWh purchased: 2,876,400
1987 kWh sold: 2,561,999
1987 revenues: $226,000
established 1918

Horton, City of
205 E. Eighth St., Box 30
Horton, Kan. 66439
(913) 486-2681
Shirley Merz, Clerk
customers: 975
nameplate capacity (kW): gas 4,400
1987 kWh generated: 0
1987 kWh purchased: 10,699,200
1987 kWh sold: 8,674,534
1987 revenues: $794,000
established 1912

Hugoton, City of†*
114 E. Fifth St., Box 788
Hugoton, Kan. 67951
(316) 544-8531
Jerry Leonard, Superintendent
customers: 1,805
nameplate capacity (kW): oil 17,800
1987 kWh generated: 23,100,360
1987 kWh purchased: 0
1987 kWh sold: 21,076,807
1987 revenues: $1,723,000
established 1919

Iola, City of*
2 W. Jackson St.
Iola, Kan. 66749
(316) 365-2771
Les Olm, Superintendent
customers: 4,025
nameplate capacity (kW): oil 20,000; gas 10,500
1987 kWh generated: 2,946,900
1987 kWh purchased: 66,219,196
1987 kWh sold: 59,829,141
1987 revenues: $2,859,000
established 1900

Isabel, City of
Box 97
Isabel, Kan. 67065
(316) 739-4347
Carolyn Armstrong, Clerk
customers: 81
1987 kWh generated: 0
1987 kWh purchased: 783,600
1987 kWh sold: 694,540
1987 revenues: $74,000

Iuka, City of
Box 127
Iuka, Kan. 67066
(316) 546-2215
Clyde Pipher, City Clerk
customers: 126
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Jetmore, City of
501 S. Main St.
Jetmore, Kan. 67854
(316) 357-8344
Dean Hertel, Utility Superintendent
customers: 565
nameplate capacity (kW): oil 6,000
1987 kWh generated: 35,700
1987 kWh purchased: 6,266,300
1987 kWh sold: 5,632,433
1987 revenues: $303,000

Johnson, City of
309 S. Nipp St.
Johnson, Kan. 67855
(316) 492-2322
Rex McGowne, Superintendent
customers: 698
nameplate capacity (kW): oil 7,048; gas 600
1987 kWh generated: 3,620,600
1987 kWh purchased: 7,833,600
1987 kWh sold: 9,671,815
1987 revenues: $742,000
established 1938

Kansas City, City of*
700 Minnesota Ave.
Kansas City, Kan. 66101
(913) 573-9000
Terry W. Drake, General Manager
customers: 66,032
nameplate capacity (kW): oil 104,800; gas 103,000; coal 623,500
1987 kWh generated: 2,173,004,300
1987 kWh purchased: 256,910,000
1987 kWh sold: 2,278,011,823
1987 revenues: $110,862,000
established 1929

Kingman, City of
402 N. Main St.
Kingman, Kan. 67068
(316) 532-3111
Ben Payton, Superintendent
customers: 2,010
nameplate capacity (kW): oil 15,650
1987 kWh generated: 32,881,085
1987 kWh purchased: 0
1987 kWh sold: 30,119,074
1987 revenues: $1,850,000
established 1913

Kiowa, City of
618 Main St., Box 206
Kiowa, Kan. 67070
(316) 825-4128
Carol A. Bloodworth, City Administrator
customers: 802
1987 kWh generated: 0
1987 kWh purchased: 9,523,800
1987 kWh sold: 8,591,854
1987 revenues: $773,000
established 1976

La Crosse, City of
Box K
La Crosse, Kan. 67548
(913) 222-2511
Gerald Bennett, City Manager
customers: 936
nameplate capacity (kW): oil 6,260
1987 kWh generated: 0
1987 kWh purchased: 9,469,200
1987 kWh sold: 7,766,756
1987 revenues: $749,000
established 1906

La Harpe, City of
Box 121
La Harpe, Kan. 66751
(316) 496-2241
George Poffenbarger, Superintendent
customers: 322
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Lakin, City of
106 E. Waterman St., Box 148
Lakin, Kan. 67860
(316) 355-6252
John Speer, City Administrator
customers: 1,175
1987 kWh generated: 0
1987 kWh purchased: 10,706,400
1987 kWh sold: 9,473,003
1987 revenues: $1,266,000
established 1915

Larned, City of*
Third & Main Sts.
Larned, Kan. 67550
(316) 285-3544
Ronald D. Arnold, City Manager
customers: 2,633
nameplate capacity (kW): oil 6,450; gas 9,500
1987 kWh generated: 11,620,000
1987 kWh purchased: 25,851,000
1987 kWh sold: 34,972,000
1987 revenues: $2,160,000
established 1916

Lincoln Center, City of
153 W. Lincoln Ave., Box 126
Lincoln, Kan. 67455
(913) 524-4280

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†Member, Demonstration of Energy-Efficient Developments program

Dan Smith, Superintendent
customers: 928
nameplate capacity (kW): oil 7,300; gas 4,650
1987 kWh generated: 10,806,000
1987 kWh purchased: 0
1987 kWh sold: 9,030,414
1987 revenues: $963,000
established 1916

Lindsborg, City of
101 S. Main St., Box 70
Lindsborg, Kan. 67456
(913) 227-3355
Manuel Esquibel, City Administrator
customers: 1,379
nameplate capacity (kW): oil 7,200
1987 kWh generated: 0
1987 kWh purchased: 21,091,200
1987 kWh sold: 18,257,904
1987 revenues: $1,513,000

Lucas, City of
Box 308
Lucas, Kan. 67648
(913) 525-6353
Gary G. Ward, Superintendent
customers: 310
1987 kWh generated: 0
1987 kWh purchased: 3,354,000
1987 kWh sold: 2,910,582
1987 revenues: $251,000

Luray, City of
Luray, Kan. 67649
(913) 698-2302
Melinda Walker, Superintendent
customers: 181
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1915

Mahaska Electric Department
Mahaska, Kan. 66955
(913) 525-6425
Roger Lambert, Superintendent
customers: 80
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Mankato, City of
202 E. Jefferson
Mankato, Kan. 66956
(913) 378-3141
Donald L. Hamilton, City Administrator
customers: 702
1987 kWh generated: 0
1987 kWh purchased: 7,029,000
1987 kWh sold: 6,608,765
1987 revenues: $546,000
established 1950

Marion, City of
203 N. Third
Marion, Kan. 66861
(316) 382-3703
Junior Bredemeier, City Superintendent
customers: 1,135
1987 kWh generated: 0
1987 kWh purchased: 12,571,200
1987 kWh sold: 12,571,200
1987 revenues: $914,000

McPherson, City of*
400 E. Kansas Ave.
McPherson, Kan. 67460
(316) 241-0661
R. N. Anderson, General Manager
customers: 7,106
nameplate capacity (kW): oil 57,400; gas 166,100
1987 kWh generated: 6,795,000
1987 kWh purchased: 412,345,000
1987 kWh sold: 403,193,843
1987 revenues: $17,169,000
established 1909

Meade, City of*
132 S. Fowler Ave.
Meade, Kan. 67864
(316) 873-2091
Carrol W. Webber, City Superintendent
customers: 946
nameplate capacity (kW): oil 8,700
1987 kWh generated: 11,001,750
1987 kWh purchased: 0
1987 kWh sold: 9,909,936
1987 revenues: $848,000
established 1910

Minneapolis, City of
218 N. Rock St.
Minneapolis, Kan. 67467
(913) 392-3137
Emory Groves, Clerk/Administrator
customers: 1,080
nameplate capacity (kW): oil 400; gas 7,800
1987 kWh generated: 2,017,000
1987 kWh purchased: 12,236,000
1987 kWh sold: 11,214,000
1987 revenues: $816,000
established 1921

Montezuma, City of
Box 37
Montezuma, Kan. 67867
(316) 846-2264
Dwight Watson, City Superintendent
customers: 444
1987 kWh generated: 0
1987 kWh purchased: 6,273,000
1987 kWh sold: 5,688,029
1987 revenues: $453,000
established 1921

Moran, City of
Box 236
Moran, Kan. 66755
(316) 237-4301
Robert Rhodes, Superintendent
customers: 288
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1900

Morrill, City of
Box 146
Morrill, Kan. 66515
(913) 459-2231
Paul Hayes, Utility Superintendent
customers: 156
1987 kWh generated: 0
1987 kWh purchased: 1,228,800
1987 kWh sold: 1,105,054
1987 revenues: $90,000
established 1927

Moundridge, City of
Box 636
Moundridge, Kan. 67107
(316) 345-8246
Norman Unruh, Utility Superintendent
customers: 750
1987 kWh generated: 0
1987 kWh purchased: 15,147,000
1987 kWh sold: 14,405,512
1987 revenues: $1,002,000
established 1909

Mount Hope, City of
112 W. Main, Box 56
Mount Hope, Kan. 67108
(316) 667-2211
Chris Rasmussen, Superintendent
customers: 336
1987 kWh generated: 0
1987 kWh purchased: 4,043,000
1987 kWh sold: 3,922,632
1987 revenues: $314,000

Mulberry Municipal Light Plant
Box 206
Mulberry, Kan. 66756
(316) 764-3815
Kurt Ziegler, Superintendent
customers: 350
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1915

Mulvane, City of*
N. Second St., Box 211
Mulvane, Kan. 67110
(316) 777-1143
Gary Rambo, Superintendent
customers: 1,756
nameplate capacity (kW): oil 2,020; gas 4,230
1987 kWh generated: 84,710
1987 kWh purchased: 25,416,473
1987 kWh sold: 21,911,503
1987 revenues: $1,842,000
established 1902

Muscotah Municipal Electric Department
Muscotah, Kan. 66058
(913) 872-3536
Terry Huntley, Superintendent
customers: 113
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Neodesha, City of
102 S. Fourth St.
Neodesha, Kan. 66757
(316) 325-2925
Terry L. Johnson, Superintendent
customers: 1,783
nameplate capacity (kW): oil 9,400
1987 kWh generated: 517,100
1987 kWh purchased: 29,952,460
1987 kWh sold: 27,909,625
1987 revenues: $2,595,000
established 1912

Norton, City of*
301 E. Washington St.
Norton, Kan. 67654
(913) 877-2255
Bill J. Kellum, Director of Utilities
customers: 1,520
nameplate capacity (kW): oil 2,500; gas 8,750
1987 kWh generated: 8,721,400
1987 kWh purchased: 14,884,007
1987 kWh sold: 18,740,240
1987 revenues: $936,000
established 1912

Oakley, City of*
209 Hudson Ave.
Oakley, Kan. 67748
(913) 672-3135
Frank Salisbury, City Superintendent
customers: 1,244
nameplate capacity (kW): oil 8,165
1987 kWh generated: 0
1987 kWh purchased: 16,669,000
1987 kWh sold: 13,541,937
1987 revenues: $974,000
established 1910

Oberlin, City of
107 W. Commercial St.
Oberlin, Kan. 67749
(913) 475-2217
Phyll Cramer, City Superintendent
customers: 1,317
nameplate capacity (kW): oil 200; gas 6,975
1987 kWh generated: 0
1987 kWh purchased: 15,198,000
1987 kWh sold: 12,378,794
1987 revenues: $1,122,000
established 1901

Osage City, City of
Fifth & Main Sts.
Osage City, Kan. 66523
(913) 527-3851
Donald Brenner, Electrical Superintendent
customers: 1,480
nameplate capacity (kW): oil 10,140
1987 kWh generated: 2,559,700
1987 kWh purchased: 18,398,400
1987 kWh sold: 19,010,006
1987 revenues: $1,244,000

Osawatomie, City of*
Main at Fifth, Box 37
Osawatomie, Kan. 66064
(913) 755-4138
Arthur Schufflebarger, City Manager
customers: 1,849
nameplate capacity (kW): oil 7,000
1987 kWh generated: 144,000
1987 kWh purchased: 22,639,150
1987 kWh sold: 18,869,006
1987 revenues: $1,303,000

Osborne, City of
133 W. Main St.
Osborne, Kan. 67473
(913) 346-2722
Norman B. Christie, Light Plant Supervisor
customers: 1,111
nameplate capacity (kW): oil 6,835
1987 kWh generated: 281,800
1987 kWh purchased: 11,900,524
1987 kWh sold: 9,922,733
1987 revenues: $826,000

Ottawa, City of*
Fourth & Walnut Sts.
Ottawa, Kan. 66067
(913) 242-2190
Jack E. Davis, Director of Utilities
customers: 4,962
nameplate capacity (kW): oil 19,250; gas 11,500
1987 kWh generated: 1,324,320
1987 kWh purchased: 82,520,800
1987 kWh sold: 75,013,304
1987 revenues: $5,800,000
established 1906

Oxford, City of
121 S. Sumner St.
Oxford, Kan. 67119
(316) 455-2223
Robert Spoon, Superintendent
customers: 579
1987 kWh generated: 0
1987 kWh purchased: 7,488,578
1987 kWh sold: 6,087,882
1987 revenues: $506,000

Pomona, City of
Box 67
Pomona, Kan. 66076
(913) 566-3522
Carl E. Waltman, Clerk
customers: 513
1987 kWh generated: 0
1987 kWh purchased: 5,243,600
1987 kWh sold: 5,103,096
1987 revenues: $363,000
established 1914

Pratt, City of
321 W. Tenth St., Box 807
Pratt, Kan. 67124

(316) 672-2022
Arlyn Bradford, Superintendent
customers: 3,922
nameplate capacity (kW): oil 26,500
1987 kWh generated: 57,116,600
1987 kWh purchased: 0
1987 kWh sold: 58,452,108
1987 revenues: $4,124,000
established 1910

Prescott, City of
Main St
Prescott, Kan. 66767
(913) 471-4521
Leonard Fyock, Clerk
customers: 139
1987 kWh generated: 0
1987 kWh purchased: 1,598,200
1987 kWh sold: 1,173,342
1987 revenues: $100,000
established 1921

Radium, City of
Radium, Kan. 67571
(316) 982-4695
John Paden, City Clerk
customers: 28
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Robinson, City of
Box 36
Robinson, Kan. 66532
(913) 544-6537
Loren Davenport, Mayor
customers: 165
1987 kWh generated: 0
1987 kWh purchased: 1,404,000
1987 kWh sold: 1,133,000
1987 revenues: $95,000

Russell, City of
Eighth & Maple Sts., Box 112
Russell, Kan. 67665
(913) 483-6311
Earl Homewood, Director
customers: 3,309
nameplate capacity (kW): oil 5,000; gas 18,143
1987 kWh generated: 32,695,000
1987 kWh purchased: 27,310,900
1987 kWh sold: 55,339,855
1987 revenues: $3,448,000
established 1910

Sabetha Municipal Light Department
Box 187
Sabetha, Kan. 66534
(913) 284-2158
Royal Kimmel, City Administrator
customers: 1,479
nameplate capacity (kW): oil 600; gas 11,936
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

St. Francis, City of
Box 517
St. Francis, Kan. 67756
(913) 332-3031
Gary L. Pittman, Plant Foreman
customers: 1,008
nameplate capacity (kW): oil 6,000
1987 kWh generated: 146,000
1987 kWh purchased: 9,973,700
1987 kWh sold: 8,311,000
1987 revenues: $820,000
established 1914

St. John, City of
Box 367
St. John, Kan. 67576
(316) 549-3800
Billie R. Ryan, City Administrator
customers: 917
nameplate capacity (kW): oil 5,400
1987 kWh generated: 1,000,900
1987 kWh purchased: 8,143,000
1987 kWh sold: 8,084,900
1987 revenues: $782,000
established 1910

St. Marys, City of
Box 146
St. Marys, Kan. 66536
(913) 437-2311
Gerald D. Zinn, City Manager
customers: 892
1987 kWh generated: 0
1987 kWh purchased: 12,657,600
1987 kWh sold: 11,161,756
1987 revenues: $850,000
established 1908

Savonburg, City of
Savonburg, Kan. 66772
(316) 754-3727
Earlene Johnson, Clerk
customers: 66
1987 kWh generated: 0
1987 kWh purchased: 395,200
1987 kWh sold: 287,796
1987 revenues: $28,000
established 1902

Scranton, City of
Box 218
Scranton, Kan. 66537
(913) 793-2414
Ernest L. Moslander, Administrative Assistant
customers: 315
1987 kWh generated: 0
1987 kWh purchased: 3,150,000
1987 kWh sold: 2,742,360
1987 revenues: $237,000
established 1919

Seneca, City of
531 Main St
Seneca, Kan. 66538
(913) 336-2747
Robert Ackerman, Clerk
customers: 1,185
1987 kWh generated: 0
1987 kWh purchased: 15,263,722
1987 kWh sold: 13,720,560
1987 revenues: $1,078,000
established 1903

Severance, City of
Severance, Kan. 66081
(913) 359-6574
Jean Crawley, Clerk
customers: 62
1987 kWh generated: 0
1987 kWh purchased: 344,000
1987 kWh sold: 265,600
1987 revenues: $27,000

Seward, City of
Box 256
Seward, Kan. 67577
(316) 458-5491
Janice Becker, Clerk
customers: 53
nameplate capacity: unavailable
1987 kWh generated: 424,111
1987 kWh purchased: 0
1987 kWh sold: 424,111
1987 revenues: $43,000

Sharon Springs, City of*
Box 490
Sharon Springs, Kan. 67758
(913) 852-4232
Pete Sharp, City Superintendent
customers: 627
nameplate capacity (kW): oil 3,117
1987 kWh generated: 94,500
1987 kWh purchased: 5,657,000
1987 kWh sold: 4,887,228
1987 revenues: $584,000
established 1918

Stafford, City of
112 W. Broadway
Stafford, Kan. 67578
(316) 234-5561
Bill Kirkpatrick, Supervisor
customers: 888
nameplate capacity (kW): oil 5,100
1987 kWh generated: 993,300
1987 kWh purchased: 7,529,600
1987 kWh sold: 7,362,981
1987 revenues: $622,000

Sterling, City of
114 N. Broadway St
Sterling, Kan. 67579
(316) 278-3411
John Deardoff, City Manager
customers: 871
nameplate capacity (kW): oil 6,155
1987 kWh generated: 1,679,700
1987 kWh purchased: 12,737,600
1987 kWh sold: 12,890,779
1987 revenues: $834,000
established 1916

Stockton, City of
Box 512
Stockton, Kan. 67669
(913) 425-6525
Richard Nienstedt, City Manager
customers: 1,011
nameplate capacity (kW): gas 6,294
1987 kWh generated: 824,000
1987 kWh purchased: 16,288,276
1987 kWh sold: 14,000,931
1987 revenues: $1,261,000
established 1908

Summerfield, Town of
Summerfield, Kan. 66541
(913) 244-6258
Donald Stueve, Mayor
customers: 152
1987 kWh generated: 0
1987 kWh purchased: 1,271,842
1987 kWh sold: 994,428
1987 revenues: $83,000

Toronto, City of
Box 235
Toronto, Kan. 66777-0235
(316) 637-2605
William F. Jones, Mayor
customers: 240
1987 kWh generated: 0
1987 kWh purchased: 1,585,800
1987 kWh sold: 1,463,041
1987 revenues: $134,000

Troy, City of
137 W. Walnut
Troy, Kan. 66087
(913) 985-2265
Leonard Clary, Superintendent
customers: 655
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1911

Udall, City of
110 S. Main St
Udall, Kan. 67146
(316) 782-3512
Larry B. Dale, City Superintendent
customers: 362
1987 kWh generated: 0
1987 kWh purchased: 3,999,600
1987 kWh sold: 3,602,001
1987 revenues: $330,000
established 1939

Vermillion, City of
Second & Main Sts., Box 127
Vermillion, Kan. 66544
(913) 382-6224
Robert F. Lee, Mayor
customers: 100
1987 kWh generated: 0
1987 kWh purchased: 753,300
1987 kWh sold: 684,000
1987 revenues: $71,000

Wamego, City of*
430 Lincoln St
Wamego, Kan. 66547
(913) 456-9119
Mark Arbuthnot, City Manager
customers: 1,708
nameplate capacity (kW): oil 8,900
1987 kWh generated: 3,072,014
1987 kWh purchased: 22,891,200
1987 kWh sold: 23,319,538
1987 revenues: $1,336,000
established 1908

Washington Municipal Power Plant
Park Road, Box 296
Washington, Kan. 66968
(913) 325-2231
Ivan W. Hinkle, Plant Supervisor
customers: 823
nameplate capacity (kW): oil 9,435
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1938

Waterville, City of
204 E. Front
Waterville, Kan. 66548
(913) 785-2367
Alson C. Tryon, Superintendent
customers: 433
1987 kWh generated: 0
1987 kWh purchased: 4,084,000
1987 kWh sold: 3,431,819
1987 revenues: $300,400

Wathena, City of
206 St. Joseph St
Wathena, Kan. 66090
(913) 989-4711
Ronald V. Gabriel, Clerk
customers: 611
1987 kWh generated: 0
1987 kWh purchased: 6,299,200
1987 kWh sold: 5,357,423
1987 revenues: $528,000
established 1937

Webber, City of
Webber, Kan. 66970
(913) 753-4401
Norma Thomas, City Clerk
customers: 45
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1937

Wellington, City of*
317 S. Washington St
Wellington, Kan. 67152
(316) 326-3871
Arthur B. Preston, City Manager
customers: 4,304

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

nameplate capacity (kW): gas
54,500
1987 kWh generated: 10,422,300
1987 kWh purchased: 66,033,236
1987 kWh sold: 79,647,535
1987 revenues: $5,633,000
established 1902

Winfield, City of*
200 E. Ninth St., Box 646
Winfield, Kan. 67156
(316) 221-3060
Richard L. Craft, Director
customers: 7,626
nameplate capacity (kW): gas
48,000
1987 kWh generated: 30,638,200
1987 kWh purchased: 153,960,092
1987 kWh sold: 167,177,670
1987 revenues: $9,897,000
established 1904

KENTUCKY

(Systems designated (TVA) are distributors of Tennessee Valley Authority power and purchase all of their power from TVA.)

Barbourville, City of
Daniel Boone Drive, Box 651
Barbourville, Ky. 40906
(606) 546-3187
Randell Young, Manager
customers: 3,374
1987 kWh generated: 0
1987 kWh purchased: 65,556,000
1987 kWh sold: 60,395,961
1987 revenues: $3,136,000
established 1938

Bardstown, City of*
220 N. Fifth St., Box 368
Bardstown, Ky. 40004
(502) 348-5947
Lawrence A. Hamilton, City Engineer
customers: 2,805
1987 kWh generated: 0
1987 kWh purchased: 83,042,000
1987 kWh sold: 75,833,016
1987 revenues: $4,356,000

Bardwell, City of
Box 277
Bardwell, Ky. 42023
(502) 628-3833
Donald M. Terry, Manager
customers: 554
1987 kWh generated: 0
1987 kWh purchased: 7,146,600
1987 kWh sold: 6,499,295
1987 revenues: $370,000
established 1941

Benham, City of
Box E
Benham, Ky. 40807
(606) 848-5506
Jimmy Dale Hensley, Chairman, Power Board
customers: 322
1987 kWh generated: 0
1987 kWh purchased: 5,720,000
1987 kWh sold: 5,189,939
1987 revenues: $129,000

Benton, City of*
540 Mayfield Highway
Benton, Ky. 42025
(502) 527-3651
Larry Spears, Manager
customers: 2,136
1987 kWh generated: 0
1987 kWh purchased: 51,087,370 (TVA)
1987 kWh sold: 48,331,267
1987 revenues: $2,921,000
established 1945

Berea College*
CPO 2337
Berea, Ky. 40404
(606) 986-4611
Don Bewley, Utilities Administrator
customers: 3,594
1987 kWh generated: 0
1987 kWh purchased: 91,629,000
1987 kWh sold: 85,954,000
1987 revenues: $3,937,000
established 1891

Bowling Green, City of*
801 Center St., Box 478
Bowling Green, Ky. 42101
(502) 782-1200
Eddie Beck, General Manager
customers: 18,728
1987 kWh generated: 0
1987 kWh purchased: 579,033,028 (TVA)
1987 kWh sold: 554,671,885
1987 revenues: $30,822,000
established 1942

Corbin Utilities Commission
901 S. Main St.
Corbin, Ky. 40701
(606) 528-4026
George P. Rains, General Manager
customers: 3,781
1987 kWh generated: 0
1987 kWh purchased: 63,778,000
1987 kWh sold: 54,710,000
1987 revenues: $3,077,000

Falmouth, City of
212 Main St.
Falmouth, Ky. 41040
(606) 654-6937
Pete Lawson, Superintendent
customers: 1,200
1987 kWh generated: 0
1987 kWh purchased: 16,086,400
1987 kWh sold: 12,980,116
1987 revenues: $895,000

Frankfort Electric & Water Plant Board*
315 W. Second St.
Frankfort, Ky. 40601
(502) 223-3401
Warner J. Caines, General Manager
customers: 16,370
1987 kWh generated: 0
1987 kWh purchased: 490,560,000
1987 kWh sold: 466,966,340
1987 revenues: $20,462,000
established 1943

Franklin, City of†*
309 N. High St.
Franklin, Ky. 42134
(502) 586-4441
Billy C. Austin, Superintendent
customers: 3,941
1987 kWh generated: 0
1987 kWh purchased: 178,709,444 (TVA)
1987 kWh sold: 172,329,702
1987 revenues: $8,781,000
established 1943

Fulton, City of†
101 Nelson Tripp Place, Box 130
Fulton, Ky. 42041
(502) 472-1362
Billy Moss, Manager
customers: 1,901
1987 kWh generated: 0
1987 kWh purchased: 54,959,000
1987 kWh sold: 52,562,852
1987 revenues: $2,873,000
established 1962

Glasgow, City of†*
100 Mallory Drive, Box 666
Glasgow, Ky. 42141
(502) 651-8341
William J. Ray, Superintendent
customers: 5,894
1987 kWh generated: 0
1987 kWh purchased: 246,407,705 (TVA)
1987 kWh sold: 234,550,279
1987 revenues: $12,299,000
established 1962

Henderson, City of*
Fourth & Water Sts.
Henderson, Ky. 42420
(502) 826-2726
Bill L. Perry, General Manager
customers: 11,691
nameplate capacity (kW): oil 2,000; coal 225,000
1987 kWh generated: 1,988,558,000
1987 kWh purchased: 26,858,000
1987 kWh sold: 1,992,263,027
1987 revenues: $22,296,000
established 1897

Hickman, City of
Box 228
Hickman, Ky. 42050
(502) 236-3951
James H. Eakes, Manager
customers: 1,288
1987 kWh generated: 0
1987 kWh purchased: 21,275,800 (TVA)
1987 kWh sold: 19,986,814
1987 revenues: $1,394,000
established 1965

Hopkinsville, City of†*
101 N. Main St.
Hopkinsville, Ky. 42240
(502) 887-4212
Austin B. Carroll, Superintendent
customers: 12,656
1987 kWh generated: 0
1987 kWh purchased: 375,798,314 (TVA)
1987 kWh sold: 351,975,284
1987 revenues: $18,268,000
established 1942

Madisonville, City of
37 E. Center St., Box 704
Madisonville, Ky. 42431
(502) 821-4522
Marcia Cocke, Office Coordinator
customers: 7,990
1987 kWh generated: 0
1987 kWh purchased: 234,543,000
1987 kWh sold: 216,409,000
1987 revenues: $12,000,000
established 1922

Mayfield, City of*
301 E. Broadway St.
Mayfield, Ky. 42066
(502) 247-4661
James R. Gooch, General Superintendent
customers: 5,741
1987 kWh generated: 0
1987 kWh purchased: 129,378,477 (TVA)
1987 kWh sold: 123,007,028
1987 revenues: $7,079,000
established 1942

Monticello, City of*
615 Columbia Ave., Box 657
Monticello, Ky. 42633
(606) 348-8102
James H. McCune, Superintendent
customers: 2,917
1987 kWh generated: 0
1987 kWh purchased: 71,559,746 (TVA)
1987 kWh sold: 68,950,240
1987 revenues: $3,602,000
established 1960

Murray, City of†*
401 Olive St., Box 1095
Murray, Ky. 42071
(502) 753-5312
Ron Underwood, Superintendent
customers: 5,864
1987 kWh generated: 0
1987 kWh purchased: 210,322,458 (TVA)
1987 kWh sold: 205,057,979
1987 revenues: $11,060,000
established 1942

Nicholasville, City of
517 N. Main St.
Nicholasville, Ky. 40356
(606) 885-9473
David House, General Manager
customers: 4,287
1987 kWh generated: 0
1987 kWh purchased: 97,377,048
1987 kWh sold: 87,499,128
1987 revenues: $4,212,000

Olive Hill, City of
Box 460
Olive Hill, Ky. 41164
(606) 286-2192
Alice Fielding, Utilities Clerk
customers: 1,312
1987 kWh generated: 0
1987 kWh purchased: 20,832,200
1987 kWh sold: 18,611,700
1987 revenues: $982,000

Owensboro, City of†*
115 E. Fourth St.
Owensboro, Ky. 42302
(502) 926-3200
Robert M. Carper, General Manager
customers: 25,355
nameplate capacity (kW): coal 416,000
1987 kWh generated: 0
1987 kWh purchased: 1,331,178,800
1987 kWh sold: 1,306,660,473
1987 revenues: $39,262,000
established 1900

Paducah, City of†*
1400 Broadway St., Box 180
Paducah, Ky. 42001
(502) 442-2711
Olin W. Bryant, General Manager
customers: 20,685
1987 kWh generated: 0
1987 kWh purchased: 492,682,446 (TVA)
1987 kWh sold: 468,414,222
1987 revenues: $27,514,000
established 1961

Paris, City of*
800 Pleasant St.
Paris, Ky. 40361
(606) 987-2630
Robert Casher, Assistant City Manager
customers: 2,410
nameplate capacity (kW): oil 11,400
1987 kWh generated: 303,600
1987 kWh purchased: 33,094,945
1987 kWh sold: 30,330,597
1987 revenues: $1,474,319
established 1931

Princeton, City of†*
Box 608
Princeton, Ky. 42445
(502) 365-2031
Walter R. Smith, Superintendent
customers: 3,797
1987 kWh generated: 0
1987 kWh purchased: 71,589,560 (TVA)
1987 kWh sold: 67,298,273
1987 revenues: $4,417,000
established 1961

Providence, City of
North Willow Street, Box 128
Providence, Ky. 42450
(502) 667-5463
Charlotte B. Hendon, Clerk
customers: 1,956
1987 kWh generated: 0
1987 kWh purchased: 30,819,200
1987 kWh sold: 28,436,530
1987 revenues: $1,633,000
established 1921

Russellville, City of†*
Box 418
Russellville, Ky. 42276
(502) 726-2466
Larry S. Wilcutt, Superintendent
customers: 3,859
1987 kWh generated: 0
1987 kWh purchased: 100,718,219 (TVA)
1987 kWh sold: 96,514,346
1987 revenues: $5,334,000
established 1942

Vanceburg, City of*
611 Front St., Box 489
Vanceburg, Ky. 41179
(606) 796-2641
Donald Burton, Superintendent
customers: 2,361
nameplate capacity (kW): hydro 70,200
1987 kWh generated: 358,256,133
1987 kWh purchased: 2,838,000
1987 kWh sold: 354,412,325
1987 revenues: $15,906,000
established 1939

Williamstown Utility Commission
Main St.
Williamstown, Ky. 41097
(606) 824-3352
Jeffrey W. Clemons, Superintendent
customers: 1,174
1987 kWh generated: 0
1987 kWh purchased: 37,084,002
1987 kWh sold: 34,271,383
1987 revenues: $2,333,000
established 1925

LOUISIANA

Abbeville, City of*
304 Charity St.
Abbeville, La. 70510
(318) 893-8550
R. Brady Broussard, Mayor
customers: 4,891
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1898

Alexandria, City of*
Box 71
Alexandria, La. 71309
(318) 473-1100
A. E. Craig Jr., Director of Utilities
customers: 21,532
nameplate capacity (kW): gas 175,000
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Boyce, Town of
Box 146
Boyce, La. 71409
(318) 793-2175
Lyrin Basco, Superintendent
customers: 548
1987 kWh generated: 0
1987 kWh purchased: 7,218,750
1987 kWh sold: 5,405,875
1987 revenues: $367,000

Erath, Town of*
115 W. Edwards
Erath, La. 70533
(318) 937-8401
Leroy G. Squire, Mayor
customers: 794
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Gueydan, Town of*
600 Main St.
Gueydan, La. 70542
(318) 536-9415
Sherman Trahan, Supervisor
customers: 812
nameplate capacity (kW): oil 300
1987 kWh generated: 0
1987 kWh purchased: 12,920,476
1987 kWh sold: 11,653,175
1987 revenues: $1,021,000

Jonesville, City of*
Box 428
Jonesville, La. 71343
(318) 339-8596
Sim Nichols, Superintendent
customers: 1,278
nameplate capacity (kW): oil 1,700
1987 kWh generated: 0
1987 kWh purchased: 24,267,071
1987 kWh sold: 20,992,096
1987 revenues: $2,090,000

Kaplan, City of*
511 N. Cushing Ave.
Kaplan, La. 70548
(318) 643-8811
Jimmy Perrin, Superintendent
customers: 2,128
1987 kWh generated: 0
1987 kWh purchased: 40,967,000
1987 kWh sold: 36,106,000
1987 revenues: $3,315,000

Lafayette, City of†*
1830 Walker Road
Lafayette, La. 70502
(318) 261-8796
Don Ouchley, Director of Utilities
customers: 40,768
nameplate capacity (kW): oil 3,000; gas 387,100; coal 279,000
1987 kWh generated: 2,154,888,500
1987 kWh purchased: 279,653,000
1987 kWh sold: 2,337,265,216
1987 revenues: $108,011,000

Minden Light & Water Department*
Box 580
Minden, La. 71119
(318) 377-2144
Gordon M. Bartage, Superintendent
customers: 6,250
nameplate capacity (kW): gas 51,000
1987 kWh generated: 2,900,000
1987 kWh purchased: 116,000,000
1987 kWh sold: unavailable
1987 revenues: $7,000,001

Morgan City, City of*
Avoca Road, Box 1218
Morgan City, La. 70381
(504) 385-1770
Bill Cefelu, Utility Director
customers: 6,026
nameplate capacity (kW): gas 70,300
1987 kWh generated: 8,274,000
1987 kWh purchased: 146,506,000
1987 kWh sold: 142,749,127
1987 revenues: $9,083,000

Natchitoches, City of*
314 Amulet St., Box 37
Natchitoches, La. 71457
(318) 352-2901
Robert J. Tynes, Director of Utilities
customers: 6,085
nameplate capacity (kW): gas 53,000
1987 kWh generated: 0
1987 kWh purchased: 148,528,280
1987 kWh sold: 129,924,501
1987 revenues: $9,093,000

New Roads, City of*
237 W. Main St.
New Roads, La. 70760
(504) 638-8047
J. B. Laurent, City Manager
customers: 1,959
nameplate capacity (kW): gas 9,525
1987 kWh generated: 1,225,700
1987 kWh purchased: 31,454,000
1987 kWh sold: 30,907,127
1987 revenues: $2,461,000

Plaquemine, City of*
City Hall, 400 Railroad Ave.
Plaquemine, La. 70746
(504) 687-4796
Max W. Albritton, Superintendent
customers: 4,762
nameplate capacity (kW): gas 54,800
1987 kWh generated: 0
1987 kWh purchased: 72,336,000
1987 kWh sold: 65,038,694
1987 revenues: $6,027,000

Rayne, City of*
201 Third Ave., Box 87
Rayne, La. 70578
(318) 334-5870
Pierre Gary, Superintendent
customers: 4,312
nameplate capacity (kW): gas 15,300
1987 kWh generated: 0
1987 kWh purchased: 56,014,267
1987 kWh sold: 50,357,295
1987 revenues: $4,167,000

Ruston, City of*
Box 280
Ruston, La. 71273-0280
(318) 255-1316
William Z. Spivey, Utilities Director
customers: 7,987
nameplate capacity (kW): gas 90,515
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

St. Martinville, City of*
120 New Market St., Box 379
St. Martinville, La. 70582
(318) 394-6235
Wilson Dore, Superintendent
customers: 2,785
1987 kWh generated: 0
1987 kWh purchased: 45,671,000
1987 kWh sold: 40,877,293
1987 revenues: $3,160,000

Terrebonnne Parish Utilities Department*
Box 6097
Houma, La. 70360
(504) 868-5050
Thomas K. Bourg, Manager
customers: 14,534
nameplate capacity (kW): gas 96,100
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1898

Vidalia, Town of*
409 Texas St.
Vidalia, La. 71373
(318) 336-5412
Guy Thompson, Superintendent
customers: 2,294
1987 kWh generated: 0
1987 kWh purchased: 50,263,000
1987 kWh sold: 47,426,322
1987 revenues: $3,298,000

Vinton, City of*
1200 Horridge St.
Vinton, La. 70668
(318) 589-7453
Raymond Guillory, Superintendent of Public Work
customers: 1,574
1987 kWh generated: 0
1987 kWh purchased: 21,994,168
1987 kWh sold: 19,351,160
1987 revenues: $2,001,000

Welsh, City of*
Box 786
Welsh, La. 70591
(318) 734-3742
Robert J. Louviere, Superintendent
customers: 1,485
nameplate capacity (kW): oil 560
1987 kWh generated: 0
1987 kWh purchased: 24,577,000
1987 kWh sold: 21,964,000
1987 revenues: $1,272,000

Winnfield, City of*
Box 509
Winnfield, La. 71483
(318) 628-4452
Dorman Guilliams, Public Works Director
customers: 3,167
1987 kWh generated: 0
1987 kWh purchased: 61,452,890
1987 kWh sold: 55,093,220
1987 revenues: $3,486,581
established 1945

MAINE

Houlton Water Co.*
Box 726
Houlton, Maine 04730
(207) 532-2250
John L. Clark, General Manager
customers: 4,801
1987 kWh generated: 0
1987 kWh purchased: 77,253,150
1987 kWh sold: 70,385,286
1987 revenues: $6,101,000
established 1908

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

Kennebunk Light & Power
36 Water St
Kennebunk, Maine 04043
(207) 985-3311
Chester F. Oiler, Treasurer/General Manager
customers: 3,906
nameplate capacity: unavailable
1987 kWh generated: 1,837,560
1987 kWh purchased: 78,834,825
1987 kWh sold: 76,272,851
1987 revenues: $4,758,000
established 1893

Lewiston, City of
103 Willow St
Lewiston, Maine 04240
(207) 784-5753
Denis R. Caron, Electric Superintendent
customers: wholesale only
nameplate capacity (kW): hydro 700
1987 kWh generated: 1,964,600
1987 kWh purchased: 1,034,300
1987 kWh sold: 588,500
1987 revenues: $11,000

Lubec, City of*
24 Water St., Box 128
Lubec, Maine 04652
(207) 733-5526
W. Milo Haskins, Manager
customers: 1,249
nameplate capacity (kW): oil 1,100
1987 kWh generated: 0
1987 kWh purchased: 9,694,800
1987 kWh sold: 7,947,554
1987 revenues: $702,000
established 1951

Madison, Town of
26 Weston Ave
Madison, Maine 04950
(207) 696-4401
George D. Stoutamyer, Superintendent
customers: 2,095
nameplate capacity (kW): hydro 300
1987 kWh generated: 1,136,100
1987 kWh purchased: 21,822,000
1987 kWh sold: 21,471,820
1987 revenues: $1,502,000
established 1897

Matinicus Plantation Electric Co.
Matinicus, Maine 04851
(207) 366-3870
Elizabeth Burr, General Manager
customers: 102
nameplate capacity: unavailable
1987 kWh generated: 172,275
1987 kWh purchased: 0
1987 kWh sold: 172,275
1987 revenues: $58,000
established 1976

Van Buren Light & Power District
67 Main St
Van Buren, Maine 04785
(207) 868-3321
Louis H. Morneault, Manager
customers: 1,381
1987 kWh generated: 0
1987 kWh purchased: 14,997,600
1987 kWh sold: 14,197,432
1987 revenues: $1,211,000
established 1917

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

MARYLAND

Berlin, City of
10 Williams St
Berlin, Md. 21811
(301) 641-2770
Donald Giancoli, Administrative Director
customers: 1,376
nameplate capacity: unavailable
1987 kWh generated: 2,626,480
1987 kWh purchased: 28,958,400
1987 kWh sold: 30,255,928
1987 revenues: $1,978,000
established 1919

Easton Utilities Commission†*
142 N. Harrison St
Easton, Md. 21601
(301) 822-6110
Roger C. Judd, General Manager
customers: 6,580
nameplate capacity (kW): oil 29,350; gas 17,860; other 800
1987 kWh generated: 64,645,202
1987 kWh purchased: 48,641,000
1987 kWh sold: 159,490,212
1987 revenues: $9,929,000
established 1914

Hagerstown, City of*
425 E. Baltimore St
Hagerstown, Md. 21740
(301) 790-2600
Kenneth L. Alexander, Acting Utility Manager
customers: 17,122
nameplate capacity (kW): oil 1,000
1987 kWh generated: 42,000
1987 kWh purchased: 279,972,000
1987 kWh sold: 262,795,597
1987 revenues: $13,433,000

Thurmont Municipal Light Co.
10 Frederick Road, Box 385
Thurmont, Md. 21788
(301) 271-7872
Marion W. Rice, Superintendent of Public Works
customers: 1,665
1987 kWh generated: 0
1987 kWh purchased: 44,372,000
1987 kWh sold: 43,056,228
1987 revenues: $1,141,000
established 1910

Williamsport, Town of
Town Hall
Williamsport, Md. 21795
(301) 223-7711
Donna Spickler, Clerk/Treasurer
customers: 830
1987 kWh generated: 0
1987 kWh purchased: 15,919,600
1987 kWh sold: 14,065,423
1987 revenues: $458,000

MASSACHUSETTS

Ashburnham, Town of
86 Central St
Ashburnham, Mass. 01430
(508) 827-4423
Robert W. Gould, Manager
customers: 2,490
1987 kWh generated: 0
1987 kWh purchased: 18,444,967
1987 kWh sold: 22,259,763
1987 revenues: $2,037,000
established 1908

Belmont, Town of*
450 Concord Ave.
Belmont, Mass. 02178
(617) 484-2780
Kenneth L. Conroy, Manager
customers: 10,524
1987 kWh generated: 0
1987 kWh purchased: 106,102,080
1987 kWh sold: 98,691,312
1987 revenues: $7,087,000
established 1898

Boylston, Town of†*
Sanatorium Road
Boylston, Mass. 01505
(508) 869-2626
H. B. White, Manager
customers: 1,635
1987 kWh generated: 0
1987 kWh purchased: 23,316,363
1987 kWh sold: 20,452,756
1987 revenues: $1,966,000
established 1912

Braintree, Town of†*
44 Allen St
Braintree, Mass. 02184
(617) 848-1130
Walter R. McGrath, General Manager
customers: 13,085
nameplate capacity (kW): oil 38,900; other 110,900
1987 kWh generated: 50,511,000
1987 kWh purchased: 368,297,498
1987 kWh sold: 367,188,789
1987 revenues: $27,504,000
established 1892

Chester Municipal Electric Light Department
Middlefield St
Chester, Mass. 01011
(413) 354-7811
Harold C. Jameson, Commission Chairman
customers: 484
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1926

Chicopee, City of†*
725 Front St
Chicopee, Mass. 01013
(413) 598-8311
Barry W. Soden, General Manager
customers: 23,551
nameplate capacity: unavailable
1987 kWh generated: 93,222,530
1987 kWh purchased: 257,955,778
1987 kWh sold: 333,646,973
1987 revenues: $23,734,000
established 1894

Concord, Town of†*
135 Keyes Road
Concord, Mass. 01742
(508) 369-2500
Daniel J. Sack, Superintendent
customers: 6,774
1987 kWh generated: 0
1987 kWh purchased: 144,090,421
1987 kWh sold: 138,406,982
1987 revenues: $10,477,000
established 1905

Danvers, Town of†*
2 Burroughs St
Danvers, Mass. 01923
(508) 774-0005
Michael Madore, Superintendent
customers: 10,396
1987 kWh generated: 0
1987 kWh purchased: 291,797,000
1987 kWh sold: 278,547,000
1987 revenues: $24,810,000
established 1889

Georgetown, City of*
Moulton & West Sts.
Georgetown, Mass. 01833
(508) 352-8611
James E. Hazen, Manager
customers: 2,277
1987 kWh generated: 0
1987 kWh purchased: 28,904,161
1987 kWh sold: 24,695,764
1987 revenues: $2,164,000
established 1912

Groton, City of*
Station Ave.
Groton, Mass. 01450
(508) 448-6655
Roger H. Beeltje, Manager
customers: 3,621
1987 kWh generated: 0
1987 kWh purchased: 40,810,942
1987 kWh sold: 36,348,900
1987 revenues: $2,949,000
established 1909

Groveland, City of*
23 School St
Groveland, Mass. 01834
(508) 372-1671
Gerald Hill, Manager
customers: 1,927
1987 kWh generated: 0
1987 kWh purchased: 22,779,852
1987 kWh sold: 20,375,083
1987 revenues: $1,371,000
established 1907

Hingham, City of*
19 Elm St
Hingham, Mass. 02043
(617) 749-0134
Joseph R. Spadea Jr., Manager
customers: 8,051
1987 kWh generated: 0
1987 kWh purchased: 142,648,311
1987 kWh sold: 124,132,267
1987 revenues: $11,343,000
established 1894

Holden, City of†*
94 Reservoir St.
Holden, Mass. 01520
(508) 829-4316
Brian J. Bullock, Town Manager
customers: 5,691
1987 kWh generated: 0
1987 kWh purchased: 89,239,000
1987 kWh sold: 79,946,000
1987 revenues: $7,590,000
established 1912

Holyoke, City of*
70 Suffolk St.
Holyoke, Mass. 01040
(413) 536-9300
George E. Leary, Manager
customers: 18,224
nameplate capacity (kW): oil 33,800; hydro 2,600
1987 kWh generated: 14,900,000
1987 kWh purchased: 250,521,000
1987 kWh sold: 244,614,564
1987 revenues: $23,842,000
established 1902

Hudson, Town of†*
49 Forest Ave.
Hudson, Mass. 01749
(508) 568-8736
Horst Huehmer, Manager
customers: 9,414
nameplate capacity (kW): oil 21,300
1987 kWh generated: 17,814,624
1987 kWh purchased: 221,326,360
1987 kWh sold: 217,925,362

1987 revenues: $20,626,000
established 1897

Hull, Town of†*
15 Edgewater Road
Hull, Mass. 02045
(617) 925-0051
Roger Jackson, Manager
customers: 5,368
1987 kWh generated: 0
1987 kWh purchased: 41,725,905
1987 kWh sold: 36,518,163
1987 revenues: $4,062,000
established 1894

Ipswich, City of*
222 High St.
Ipswich, Mass. 01938
(508) 356-4331
Donald R. Stone Sr., Manager
customers: 5,407
nameplate capacity (kW): oil 5,703; gas 8,710
1987 kWh generated: 7,335,050
1987 kWh purchased: 82,965,169
1987 kWh sold: 85,498,796
1987 revenues: $6,103,000
established 1904

Littleton, Town of†*
Whitcomb Ave.
Littleton, Mass. 01460
(508) 486-3104
Curtis J. Lanciani, General Manager
customers: 4,850
nameplate capacity (kW): oil 1,010
1987 kWh generated: 6,180,533
1987 kWh purchased: 147,510,778
1987 kWh sold: 140,026,317
1987 revenues: $10,567,000
established 1912

Mansfield, Town of*
1 Union St.
Mansfield, Mass. 02048
(508) 339-4712
John H. Larch, General Manager
customers: 5,582
1987 kWh generated: 0
1987 kWh purchased: 166,749,800
1987 kWh sold: 154,360,862
1987 revenues: $13,475,000
established 1903

Marblehead, City of*
80 Commercial St.
Marblehead, Mass. 01945
(617) 631-0240
Richard L. Bailey, General Manager
customers: 9,930
nameplate capacity (kW): oil 5,500
1987 kWh generated: 1,216,000
1987 kWh purchased: 93,501,000
1987 kWh sold: 84,773,000
1987 revenues: $6,387,000
established 1894

Merrimac, Town of†*
2 School St.
Merrimac, Mass. 01860
(508) 346-8311
Richard Kennedy, Manager
customers: 2,062
1987 kWh generated: 0
1987 kWh purchased: 20,437,842
1987 kWh sold: 18,179,247
1987 revenues: $1,322,000
established 1904

Middleborough, Town of†*
32 S. Main St.
Middleborough, Mass. 02346
(508) 947-1371
John W. Dunfey, General Manager
customers: 10,152
1987 kWh generated: 0
1987 kWh purchased: 144,655,278
1987 kWh sold: 134,726,240
1987 revenues: $12,087,000
established 1893

Middleton, City of†*
197 N. Main St., Box 68
Middleton, Mass. 01949
(508) 774-4313
Raymond J. Bastarache, Manager
customers: 2,093
1987 kWh generated: 0
1987 kWh purchased: 72,668,916
1987 kWh sold: 64,898,607
1987 revenues: $5,534,000
established 1914

North Attleboro, Town of†*
43 S. Washington St.
North Attleboro, Mass. 02760
(508) 699-7542
David J. Sweetland, Manager
customers: 10,253
nameplate capacity (kW): oil 2,070
1987 kWh generated: 12,361,073
1987 kWh purchased: 174,140,016
1987 kWh sold: 173,159,419
1987 revenues: $13,914,000
established 1894

Norwood, City of*
206 Central St.
Norwood, Mass. 02062
(617) 762-3203
Malcolm McDonald, Superintendent
customers: 14,336
1987 kWh generated: 0
1987 kWh purchased: 297,600,110
1987 kWh sold: 291,152,948
1987 revenues: $19,894,000
established 1907

Paxton, Town of†*
578 Pleasant St.
Paxton, Mass. 01612
(508) 756-9508
Harold I. Smith, Manager
customers: 1,443
1987 kWh generated: 0
1987 kWh purchased: 19,656,360
1987 kWh sold: 16,831,811
1987 revenues: $1,714,000
established 1913

Peabody, City of*
70 Endicott St.
Peabody, Mass. 01960
(508) 531-5975
Bruce Patten, Manager
customers: 20,578
nameplate capacity (kW): oil 32,900
1987 kWh generated: 3,965,000
1987 kWh purchased: 361,234,000
1987 kWh sold: 338,339,000
1987 revenues: $28,820,000
established 1894

Princeton Municipal Light Department*
4 Town Hall Drive, Box 247
Princeton, Mass. 01541
(508) 464-2815
Sharon A. Staz, Manager
customers: 1,272
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1913

Reading, City of†*
25 Haven St., Box 150
Reading, Mass. 01867
(617) 944-1340
Leonard D. Rucker, General Manager
customers: 22,132
nameplate capacity (kW): other 30,000
1987 kWh generated: 0
1987 kWh purchased: 591,370,083
1987 kWh sold: 552,887,403
1987 revenues: $43,581,000
established 1894

Rowley, Town of†*
47 Summer St.
Rowley, Mass. 01969
(508) 948-3992
G. Robert Merry, Manager
customers: 1,948
1987 kWh generated: 0
1987 kWh purchased: 19,871,600
1987 kWh sold: 18,348,844
1987 revenues: $1,576,000
established 1910

Russell Municipal Light Department
Shattuck Road
Russell, Mass. 01071
(413) 862-4400
John Murphy, Manager
customers: 404
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1921

Shrewsbury, Town of†*
100 Maple Ave.
Shrewsbury, Mass. 01545
(508) 845-4881
Thomas Josie, Manager
customers: 10,618
nameplate capacity (kW): oil 14,000
1987 kWh generated: 3,995,000
1987 kWh purchased: 223,978,000
1987 kWh sold: 207,963,000
1987 revenues: $16,126,000
established 1908

South Hadley, Town of
85 Main St.
South Hadley, Mass. 01075
(413) 536-1050
Wayne D. Doerpholz, Manager
customers: 7,089
1987 kWh generated: 0
1987 kWh purchased: 112,942,925
1987 kWh sold: 108,368,826
1987 revenues: $10,370,000
established 1914

Sterling, Town of*
50 Main St., Box 430
Sterling, Mass. 01564
(508) 422-6662
Mark V. Magya, Manager
customers: 2,501
1987 kWh generated: 0
1987 kWh purchased: 34,403,325
1987 kWh sold: 28,632,953
1987 revenues: $3,215,000
established 1911

Taunton, City of†*
Box 870
Taunton, Mass. 02781
(508) 824-5844
Joseph M. Blain, General Manager
customers: 25,764
nameplate capacity (kW): oil 123,300; gas 23,000
1987 kWh generated: 348,642,000
1987 kWh purchased: 217,281,365
1987 kWh sold: 529,275,193
1987 revenues: $42,240,000
established 1897

Templeton, City of*
2 School St.
Baldwinville, Mass. 01436
(508) 939-5323
Gerald P. Skelton, Manager
customers: 2,698
1987 kWh generated: 0
1987 kWh purchased: 80,332,261
1987 kWh sold: 73,423,590
1987 revenues: $5,271,000
established 1906

Wakefield, Town of†*
9 Albion St.
Wakefield, Mass. 01880
(617) 246-6363
William J. Wallace, Manager
customers: 10,378
1987 kWh generated: 0
1987 kWh purchased: 148,365,010
1987 kWh sold: 133,286,668
1987 revenues: $12,233,000
established 1894

Wellesley, Town of*
455 Worcester St., Box 364
Wellesley, Mass. 02181
(617) 235-7600
Maurice R. Berdan, Director of Public Works
customers: 9,294
1987 kWh generated: 0
1987 kWh purchased: 191,367,605
1987 kWh sold: 178,740,466
1987 revenues: $14,717,000
established 1892

West Boylston, Town of†*
4 Crescent St.
West Boylston, Mass. 01583
(508) 835-3681
John F. Scirpoli, Manager
customers: 2,656
1987 kWh generated: 0
1987 kWh purchased: 47,348,097
1987 kWh sold: 43,558,958
1987 revenues: $3,871,000
established 1910

Westfield, City of†*
100 Elm St., Box 990
Westfield, Mass. 01086
(413) 568-9171
Daniel Golubek, General Manager
customers: 15,291
1987 kWh generated: 0
1987 kWh purchased: 306,010,762
1987 kWh sold: 302,335,758
1987 revenues: $25,130,000
established 1899

MICHIGAN

Baraga, Village of
Box 290
Baraga, Mich. 49908
(906) 353-6237
J. H. Ross, Superintendent
customers: 702
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Bay City, City of
900 S. Water St.
Bay City, Mich. 48708
(517) 894-8344
Richard G. Harris, Director of Electric
customers: 14,746
nameplate capacity: unavailable
1987 kWh generated: 384,000
1987 kWh purchased: 191,169,380
1987 kWh sold: 186,675,494
1987 revenues: $11,579,000
established 1886

Charlevoix, City of*
210 State St.
Charlevoix, Mich. 49720
(616) 547-3270
Edward Whitley, Superintendent
customers: 3,376
nameplate capacity (kW): hydro 2,000
1987 kWh generated: 0
1987 kWh purchased: 41,654,400
1987 kWh sold: 36,677,668
1987 revenues: $2,216,000
established 1900

Chelsea, Village of
104 E. Middle St.
Chelsea, Mich. 48118
(313) 475-1771
Frederick A. Weber, Village Manager
customers: 1,582
1987 kWh generated: 0
1987 kWh purchased: 27,772,702
1987 kWh sold: 25,981,807
1987 revenues: $1,612,000
established 1898

Clinton, Village of
Box E
Clinton, Mich. 49236
(517) 456-4207
Richard Sharpe, Village Manager
customers: 1,078
nameplate capacity (kW): oil 2,310; gas 2,000
1987 kWh generated: 0
1987 kWh purchased: 28,776,000
1987 kWh sold: 28,285,080
1987 revenues: $2,001,000
established 1893

Coldwater, City of*
28 W. Chicago St.
Coldwater, Mich. 49036
(517) 279-9531
Dwight Woodman, Director
customers: 5,641
nameplate capacity (kW): oil 4,500; gas 6,500; coal 8,000
1987 kWh generated: 0
1987 kWh purchased: 142,426,345
1987 kWh sold: 133,259,632
1987 revenues: $10,980,000
established 1891

Croswell, City of
100 N. Howard Ave.
Croswell, Mich. 48422
(313) 679-2120
Jeffrey P. Schock, Manager
customers: 1,037
1987 kWh generated: 0
1987 kWh purchased: 27,806,000
1987 kWh sold: 26,138,000
1987 revenues: $1,975,000
established 1897

Crystal Falls, City of
401 Superior Ave.
Crystal Falls, Mich. 49920
(906) 875-6647
Walter E. Hagglund, City Manager
customers: 1,513
nameplate capacity (kW): hydro 1,000
1987 kWh generated: 4,932,200
1987 kWh purchased: 10,508,400
1987 kWh sold: 14,406,600
1987 revenues: $909,000
established 1891

Daggett Electric Department
Daggett, Mich. 49821
(906) 753-6319
R. G. Patterson, Village President
customers: 135
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1912

Detroit, City of*
9449 Grinnell Ave.
Detroit, Mich. 48213
(313) 267-7258
George Cascos, Deputy Superintendent
customers: 1,473
nameplate capacity (kW): oil 179,000; other 80,000
1987 kWh generated: 251,362,500
1987 kWh purchased: 495,193,400
1987 kWh sold: 575,311,563
1987 revenues: $43,933,000
established 1893

Dowagiac, City of*
203 Chestnut St.
Dowagiac, Mich. 49047
(616) 782-8200
Melvin L. Lyons, Director
customers: 2,541
nameplate capacity (kW): oil 2,800; gas 1,100
1987 kWh generated: 4,314,000
1987 kWh purchased: 46,953,000
1987 kWh sold: 50,498,000
1987 revenues: $3,137,000
established 1930

Eaton Rapids, City of
200 S. Main St.
Eaton Rapids, Mich. 48827
(517) 663-8118
Dennis Craun, City Manager
customers: 2,002
1987 kWh generated: 0
1987 kWh purchased: 30,905,335
1987 kWh sold: 28,575,364
1987 revenues: $1,842,000
established 1896

Escanaba, City of*
120 N. Eighth St.
Escanaba, Mich. 49829
(906) 786-0061
Edwin A. Korpi, Superintendent
customers: 7,419
1987 kWh generated: 0
1987 kWh purchased: 98,203,800
1987 kWh sold: 93,208,316
1987 revenues: $6,780,000
established 1894

Gladstone, City of
1100 Delta Ave., Box 32
Gladstone, Mich. 49837
(906) 428-3737
Howard Keefon, City Manager
customers: 2,707
nameplate capacity (kW): coal 6,000
1987 kWh generated: 0
1987 kWh purchased: 23,693,300
1987 kWh sold: 21,207,129
1987 revenues: $1,665,000
established 1928

Grand Haven, City of*
1700 Eaton Drive
Grand Haven, Mich. 49417
(616) 846-6250
Edward J. Hughes, General Manager
customers: 9,910
nameplate capacity (kW): oil 24,930; coal 80,000
1987 kWh generated: 375,188,400
1987 kWh purchased: 2,013,314
1987 kWh sold: 317,132,158
1987 revenues: $19,571,000
established 1896

Harbor Springs, City of*
349 E. Main St.
Harbor Springs, Mich. 49740
(616) 526-2122
Fredrick Geuder, City Manager
customers: 2,601
1987 kWh generated: 0
1987 kWh purchased: 23,411,673
1987 kWh sold: 20,291,040
1987 revenues: $1,592,000
established 1898

Hart Hydro, City of
407 State St.
Hart, Mich. 49420
(616) 873-2488
Charles Eisenlohr, Hydro Superintendent
customers: 1,286
nameplate capacity (kW): oil 4,496; gas 1,700; hydro 320
1987 kWh generated: 0
1987 kWh purchased: 24,813,907
1987 kWh sold: 22,408,279
1987 revenues: $1,314,000
established 1927

Hillsdale, City of*
45 Monroe St.
Hillsdale, Mich. 49242
(517) 437-3687
Ronald D. Neer, Director of Utilities
customers: 5,347
nameplate capacity (kW): oil 2,700; gas 19,288
1987 kWh generated: 12,796,000
1987 kWh purchased: 105,528,000
1987 kWh sold: 112,072,049
1987 revenues: $8,260,000
established 1893

Holland, City of†*
268 River Ave.
Holland, Mich. 49423
(616) 394-1320
Timothy C. Morawski, General Manager
customers: 17,137
nameplate capacity (kW): oil 24,000; coal 78,250
1987 kWh generated: 355,887,572
1987 kWh purchased: 175,320,945
1987 kWh sold: 474,214,372
1987 revenues: $23,401,000
established 1893

L'Anse, Village of
101 N. Main St.
L'Anse, Mich. 49946
(906) 524-7393
Bruce Carlson, Superintendent
customers: 1,147
1987 kWh generated: 0
1987 kWh purchased: 12,182,400
1987 kWh sold: 10,812,618
1987 revenues: $809,000
established 1908

Lansing, City of†*
123 W. Ottawa St.
Lansing, Mich. 48901
(517) 371-6000
Joseph Pandy Jr., Director and General Manager
customers: 84,126
nameplate capacity (kW): coal 614,500; hydro 1,200
1987 kWh generated: 2,690,207,944
1987 kWh purchased: 54,200
1987 kWh sold: 2,590,315,686
1987 revenues: $108,311,000
established 1892

Lowell, City of*
127 N. Broadway St.
Lowell, Mich. 49331
(616) 897-8402
Herbert Haines, Superintendent
customers: 1,881
nameplate capacity (kW): oil 2,400; gas 3,600
1987 kWh generated: 424,811
1987 kWh purchased: 39,193,480
1987 kWh sold: 35,271,868
1987 revenues: $1,824,000
established 1895

Marquette, City of*
2200 W. Wright St.
Marquette, Mich. 49855
(906) 228-6900
David E. Hickey, Director
customers: 13,626
nameplate capacity (kW): oil 38,900; coal 77,200; hydro 5,800
1987 kWh generated: 212,349,554
1987 kWh purchased: 7,128,000
1987 kWh sold: 207,295,965
1987 revenues: $17,625,000
established 1889

Marshall, City of
109 E. Michigan Ave.
Marshall, Mich. 49068
(616) 781-3967
Richard Ashdown, Administrator
customers: 3,817
nameplate capacity (kW): oil 11,600; hydro 319
1987 kWh generated: 1,421,000
1987 kWh purchased: 75,100,000
1987 kWh sold: 70,830,000
1987 revenues: $6,368,000
established 1892

Negaunee, City of
Box 70
Negaunee, Mich. 49866
(906) 475-7220
Robert Johnson, Superintendent
customers: 2,280
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Newberry, City of
307 E. McMillan Ave.
Newberry, Mich. 49868
(906) 293-8531
Merdith De Verna, Superintendent
customers: 1,439
nameplate capacity (kW): oil 6,700
1987 kWh generated: 1,561,550
1987 kWh purchased: 16,796,901

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1987 kWh sold: 17,331,769
1987 revenues: $1,007,000
established 1925

Niles, City of†*
602 E. Main St., Box 217
Niles, Mich. 49120
(616) 683-4700
S. A. Brett, Manager of Utilities
customers: 6,701
nameplate capacity (kW): hydro 460
1987 kWh generated: 3,352,200
1987 kWh purchased: 113,040,000
1987 kWh sold: 108,342,078
1987 revenues: $6,767,000
established 1925

Norway, City of
915 Brown St.
Norway, Mich. 49870
(906) 563-9641
Raymond J. France, City Manager
customers: 2,680
nameplate capacity (kW): hydro 5,900
1987 kWh generated: 21,095,650
1987 kWh purchased: 5,236,800
1987 kWh sold: 23,209,993
1987 revenues: $959,000
established 1904

Paw Paw, Village of†*
110 Harry L. Bush Blvd., Box 179
Paw Paw, Mich. 49079
(616) 657-3169
Ronald F. Wheeler, Superintendent
customers: 1,696
nameplate capacity (kW): hydro 1,000
1987 kWh generated: 0
1987 kWh purchased: 30,812,400
1987 kWh sold: 29,217,854
1987 revenues: $2,213,000
established 1898

Petoskey, City of*
200 Division St.
Petoskey, Mich. 49770
(616) 347-4105
George Korthauer, City Manager
customers: 3,672
1987 kWh generated: 0
1987 kWh purchased: 69,723,200
1987 kWh sold: 65,051,146
1987 revenues: $4,152,000
established 1898

Portland, City of*
259 Kent St.
Portland, Mich. 48875
(517) 647-6912
Jon M. Hyland, Superintendent
customers: 1,913
nameplate capacity (kW): oil 1,163; hydro 375
1987 kWh generated: 1,221,000
1987 kWh purchased: 22,917,861
1987 kWh sold: 21,813,204
1987 revenues: $1,341,000
established 1896

St. Louis, City of
412 N. Hill St.
St. Louis, Mich. 48880
(517) 681-3351
Ron Gibson, Superintendent
customers: 1,748
nameplate capacity (kW): oil 3,510; hydro 400
1987 kWh generated: 911,260
1987 kWh purchased: 17,236,816
1987 kWh sold: 17,364,487
1987 revenues: $1,175,000
established 1899

Sebewaing, City of*
110 W. Main St.
Sebewaing, Mich. 48759
(517) 883-2700
Arthur G. Reinhold, Superintendent
customers: 1,229
nameplate capacity (kW): oil 900; gas 7,438
1987 kWh generated: 35,960
1987 kWh purchased: 32,796,900
1987 kWh sold: 30,914,273
1987 revenues: $2,105,000
established 1911

South Haven, City of
539 Phoenix St.
South Haven, Mich. 49090
(616) 637-5211
Paul L. Preston Jr., City Manager
customers: 6,178
1987 kWh generated: 0
1987 kWh purchased: 103,204,800
1987 kWh sold: 94,764,257
1987 revenues: $5,584,000
established 1902

Stephenson, City of
Stephenson, Mich. 49887
(906) 753-2225
James Beaudoin, Superintendent
customers: 462
1987 kWh generated: 0
1987 kWh purchased: 5,875,200
1987 kWh sold: 5,365,200
1987 revenues: $371,000
established 1920

Sturgis, City of*
130 N. Nottawa, Box 280
Sturgis, Mich. 49091
(616) 651-2321
John E. Brand, City Manager
customers: 6,250
nameplate capacity (kW): oil 5,750; gas 6,000; hydro 2,380
1987 kWh generated: 16,953,000
1987 kWh purchased: 154,753,000
1987 kWh sold: 156,904,000
1987 revenues: $11,278,000
established 1910

Traverse City, City of†*
Governmental Center, 400 Boardman Ave.
Traverse City, Mich. 49684
(616) 922-4470
Charles R. Fricke, Executive Director
customers: 7,489
nameplate capacity (kW): gas 7,500; coal 24,000; hydro 3,150
1987 kWh generated: 174,166,144
1987 kWh purchased: 24,972,627
1987 kWh sold: 182,498,118
1987 revenues: $12,300,000
established 1912

Union City Electric Department
215 W. High St.
Union City, Mich. 49094
(517) 741-8591
James E. Spencer, Superintendent
customers: 1,300
nameplate capacity (kW): oil 900; hydro 417
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Wakefield, City of
City Hall, 1211 Hancock St.
Wakefield, Mich. 49968
(906) 229-5131
Lawrence R. Anderson, Superintendent
customers: 1,126
1987 kWh generated: 0
1987 kWh purchased: 11,819,200
1987 kWh sold: 11,346,432
1987 revenues: $557,000
established 1920

Wyandotte Municipal Service Commission*
3005 Biddle Ave., Box 658
Wyandotte, Mich. 48192
(313) 282-7100
Dale O. Simmons, General Manager
customers: 14,220
nameplate capacity (kW): oil 7,500; gas 12,000; coal 75,500
1987 kWh generated: 185,527,200
1987 kWh purchased: 9,982,800
1987 kWh sold: 182,661,336
1987 revenues: $12,912,000
established 1894

Zeeland, City of†*
350 E. Washington Ave.
Zeeland, Mich. 49464
(616) 772-6212
Glenn Veldheer, Supervisor, Distribution
customers: 2,619
nameplate capacity (kW): gas 22,300; oil 2,000
1987 kWh generated: 50,177,050
1987 kWh purchased: 53,971,200
1987 kWh sold: 1,487,249
1987 revenues: $5,245,096
established 1935

MINNESOTA

Ada Water & Light Department
Drawer 32
Ada, Minn. 56510
(218) 784-2211
Lowell Thompson, Line Foreman
customers: 1,040
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Adrian Public Utilities Commission†*
Box 187
Adrian, Minn. 56110
(507) 483-2680
Terry Miller, Superintendent
customers: 655
nameplate capacity (kW): oil 3,105
1987 kWh generated: 0
1987 kWh purchased: 10,341,427
1987 kWh sold: 9,620,401
1987 revenues: $411,000
established 1929

Aitkin Public Utilities Commission*
120 First St. N.W.
Aitkin, Minn. 56431
(218) 927-3222
Wilfrid Fossum, Manager
customers: 1,504
nameplate capacity (kW): oil 2,400
1987 kWh generated: 0
1987 kWh purchased: 22,362,000
1987 kWh sold: 20,362,000
1987 revenues: $1,348,000
established 1892

Alexandria, City of†*
316 Fillmore St.
Alexandria, Minn. 56308
(612) 763-6501
Dave Nelson, General Manager
customers: 6,854
nameplate capacity (kW): oil 11,300; coal 3,000
1987 kWh generated: 0
1987 kWh purchased: 145,102,218
1987 kWh sold: 133,148,280
1987 revenues: $5,988,000
established 1889

Alpha, City of
Box 97
Alpha, Minn. 56111
(507) 847-3557
Jeanne Gettler, Clerk
customers: 105
1987 kWh generated: 0
1987 kWh purchased: 1,072,240
1987 kWh sold: 1,028,968
1987 revenues: $528,000
established 1915

Alvarado, City of
Box 832
Alvarado, Minn. 56710
(218) 965-4911
Jerome Erickson, Mayor
customers: 189
1987 kWh generated: 0
1987 kWh purchased: 2,940,140
1987 kWh sold: 2,510,550
1987 revenues: $173,000

Anoka, City of†*
2015 First Ave. N.
Anoka, Minn. 55303
(612) 421-6630
Dan Voss, Utility Director
customers: 8,732
1987 kWh generated: 0
1987 kWh purchased: 164,935,200
1987 kWh sold: 157,500,150
1987 revenues: $7,720,000
established 1901

Arlington, City of
312 Alden St.
Arlington, Minn. 55307
(612) 964-2378
John McClelland, Superintendent
customers: 902
1987 kWh generated: 0
1987 kWh purchased: 13,897,600
1987 kWh sold: 12,505,444
1987 revenues: $760,000

Austin, City of†*
Box 368
Austin, Minn. 55912
(507) 433-8886
Michael Enfield, General Manager
customers: 11,200
nameplate capacity (kW): gas 27,500; coal 31,900
1987 kWh generated: 91,246,100
1987 kWh purchased: 216,109,300
1987 kWh sold: 293,587,182
1987 revenues: $16,689,000
established 1900

Bagley Public Utilities Commission
18 Main Ave. S., Box M
Bagley, Minn. 56621
(218) 694-2300
Bernie Stavig, Superintendent
customers: 656
1987 kWh generated: 0
1987 kWh purchased: 16,593,600
1987 kWh sold: 14,787,402
1987 revenues: $693,000
established 1907

Barnesville, City of†*
Box 550
Barnesville, Minn. 56514
(218) 354-2292
H. Gilbertson, Superintendent
customers: 1,164
nameplate capacity (kW): oil 1,595
1987 kWh generated: 0
1987 kWh purchased: 0
1987 kWh sold: 0

1987 revenues: $0
established 1898

Baudette, City of
106 W. Main St.
Baudette, Minn. 56623
(218) 634-2432
George Taylor Jr., City Superintendent
customers: 613
nameplate capacity (kW): oil 1,936
1987 kWh generated: 3,889
1987 kWh purchased: 11,837,486
1987 kWh sold: 11,013,527
1987 revenues: $612,000

Benson, City of†*
1411 Pacific Ave.
Benson, Minn. 56215
(612) 843-4775
Robert Klingle, City Manager
customers: 1,786
nameplate capacity: unavailable
1987 kWh generated: 14,900
1987 kWh purchased: 24,885,978
1987 kWh sold: 23,965,557
1987 revenues: $939,000
established 1902

Bigelow, City of
Box 67
Bigelow, Minn. 56117
(507) 683-2682
George Reitmeier, Superintendent
customers: 148
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Biwabik, City of
Box A
Biwabik, Minn. 55708
(218) 865-4183
Richard E. Harju, Public Utility Superintendent
customers: 547
1987 kWh generated: 0
1987 kWh purchased: 6,095,214
1987 kWh sold: 5,608,699
1987 revenues: $376,000
established 1904

Blooming Prairie, City of†*
Box 55
Blooming Prairie, Minn. 55917
(507) 583-6683
Richard D. Kittleson, General Manager
customers: 924
nameplate capacity (kW): oil 3,600
1987 kWh generated: 0
1987 kWh purchased: 14,040,000
1987 kWh sold: 13,315,918
1987 revenues: $847,000
established 1931

Blue Earth, City of†*
118 E. Sixth St.
Blue Earth, Minn. 56013
(507) 526-2191
Jeffrey Jansen, General Manager
customers: 2,076
nameplate capacity (kW): oil 5,000; coal 3,500
1987 kWh generated: 0
1987 kWh purchased: 39,004,000
1987 kWh sold: 35,470,303
1987 revenues: $2,460,000
established 1895

Brainerd, City of†*
101 Laurel St., Box 373
Brainerd, Minn. 56401
(218) 829-8726
Walter C. Sjolund, Superintendent
customers: 6,303
1987 kWh generated: 0
1987 kWh purchased: 120,262,000
1987 kWh sold: 105,598,751
1987 revenues: $6,787,000
established 1892

Breckenridge, City of†*
420 Nebraska Ave., Box 410
Breckenridge, Minn. 56520
(218) 643-4681
Jeff Muehler, Acting Superintendent
customers: 1,848
1987 kWh generated: 0
1987 kWh purchased: 33,094,157
1987 kWh sold: 29,798,422
1987 revenues: $1,278,000
established 1907

Brewster, City of
906 Third Ave.
Brewster, Minn. 56119
(507) 842-5936
Kenneth Kluver, Superintendent
customers: 257
1987 kWh generated: 0
1987 kWh purchased: 3,647,307
1987 kWh sold: 3,247,948
1987 revenues: $240,000
established 1914

Brownton, City of
528 Second St. N.
Brownton, Minn. 55312
(612) 328-5318
Carol Winterfeldt, City Clerk
customers: 338
1987 kWh generated: 0
1987 kWh purchased: 4,427,200
1987 kWh sold: 3,992,957
1987 revenues: $217,000
established 1921

Buffalo, City of†*
212 Central Ave.
Buffalo, Minn. 55313
(612) 682-1181
Gerald Moe, Electric Superintendent
customers: 2,445
1987 kWh generated: 0
1987 kWh purchased: 41,136,000
1987 kWh sold: 38,201,000
1987 revenues: $2,429,000
established 1921

Buhl, City of
105 Jones Ave.
Buhl, Minn. 55713
(218) 258-3217
Mike Miklovich, Superintendent
customers: 380
nameplate capacity (kW): oil 2,675
1987 kWh generated: 0
1987 kWh purchased: 4,323,270
1987 kWh sold: 4,244,073
1987 revenues: $208,000

Caledonia, City of
231 E. Main St., Box 232
Caledonia, Minn. 55921
(507) 724-3450
Robert L. Nelson, City Clerk
customers: 1,359
1987 kWh generated: 0
1987 kWh purchased: 16,307,200
1987 kWh sold: 15,220,125
1987 revenues: $936,000
established 1903

Ceylon, City of
Office of the Clerk
Ceylon, Minn. 56121
(507) 632-4653
William F. Ditz, Clerk/Treasurer
customers: 306
1987 kWh generated: 0
1987 kWh purchased: 2,788,200
1987 kWh sold: 2,497,566
1987 revenues: $129,000

Chaska, City of*
205 E. Fourth St.
Chaska, Minn. 55318
(612) 448-2851
Steve Wilker, Superintendent of Utilities
customers: 3,613
1987 kWh generated: 0
1987 kWh purchased: 87,671,360
1987 kWh sold: 82,191,445
1987 revenues: $4,428,000
established 1905

Darwin, Village of
Box 67
Darwin, Minn. 55324
(612) 693-7632
Lauri Cervin, Clerk
customers: 145
1987 kWh generated: 0
1987 kWh purchased: 1,891,560
1987 kWh sold: 1,799,420
1987 revenues: $90,000

Delano, City of†*
11 W. Bridge Ave.
Delano, Minn. 55328
(612) 972-3211
Harold J. Becker, Utility Superintendent
customers: 1,179
nameplate capacity (kW): oil 2,276; gas 2,460
1987 kWh generated: 761,400
1987 kWh purchased: 19,404,500
1987 kWh sold: 17,805,907
1987 revenues: $957,000
established 1932

Detroit Lakes, City of†*
Box 647
Detroit Lakes, Minn. 56501
(218) 847-7609
Greg Sherman, Superintendent
customers: 5,246
nameplate capacity (kW): oil 12,500; coal 6,000
1987 kWh generated: 0
1987 kWh purchased: 95,634,182
1987 kWh sold: 91,029,010
1987 revenues: $4,246,000
established 1902

Dundee, City of
Box 65
Dundee, Minn. 56126
(507) 468-2731
Betty Norton, City Clerk
customers: 69
1987 kWh generated: 0
1987 kWh purchased: 605,280
1987 kWh sold: 527,725
1987 revenues: $31,886
established 1921

Dunnell, Village of
Box 94
Dunnell, Minn. 56127
(507) 695-2942
Karen Jerousek, City Clerk
customers: 121
1987 kWh generated: 0
1987 kWh purchased: 1,234,200
1987 kWh sold: 900,658
1987 revenues: $59,000
established 1920

East Grand Forks, City of
303 Fourth St. N.W.
East Grand Forks, Minn. 56721
(218) 773-1163
Jerry J. Keller, Secretary
customers: 3,261
1987 kWh generated: 0
1987 kWh purchased: 105,356,016
1987 kWh sold: 98,886,746
1987 revenues: $3,747,000
established 1906

Eitzen, City of
Box 110
Eitzen, Minn. 55931
(507) 495-3259
J. Anthony Stokman, Clerk-Treasurer
customers: 131
1987 kWh generated: 0
1987 kWh purchased: 1,705,000
1987 kWh sold: 1,535,000
1987 revenues: $114,000
established 1946

Elbow Lake, City of†*
Box 1079
Elbow Lake, Minn. 56531
(218) 685-4483
Ruddy Scher, Superintendent
customers: 725
nameplate capacity (kW): oil 2,000
1987 kWh generated: 0
1987 kWh purchased: 12,701,629
1987 kWh sold: 12,119,199
1987 revenues: $725,000
established 1965

Elk River, City of†*
322 King Ave.
Elk River, Minn. 55330
(612) 441-2020
William Birrenkott, General Manager
customers: 3,443
nameplate capacity (kW): oil 1,100; gas 8,000; hydro 1,000
1987 kWh generated: 103,200
1987 kWh purchased: 54,575,000
1987 kWh sold: 51,476,446
1987 revenues: $3,486,000
established 1945

Ely, City of
209 E. Chapman St.
Ely, Minn. 55731
(218) 365-3225
Joseph Jamnick, Superintendent
customers: 2,078
1987 kWh generated: 0
1987 kWh purchased: 25,683,498
1987 kWh sold: 22,836,172
1987 revenues: $1,510,000
established 1890

Fairfax, City of*
112 S.E. First St.
Fairfax, Minn. 55332
(507) 426-7255
Lennis Arndt, Superintendent
customers: 700
nameplate capacity (kW): oil 2,000
1987 kWh generated: 0
1987 kWh purchased: 11,906,688
1987 kWh sold: 9,917,630
1987 revenues: $458,000

Fairmont Public Utilities Commission*
100 Downtown Plaza
Fairmont, Minn. 56031
(507) 238-9461
Joe Pacovsky, Utility Director
customers: 5,862
nameplate capacity (kW): oil 13,000; coal 27,500
1987 kWh generated: 3,578,000
1987 kWh purchased: 136,250,700
1987 kWh sold: 135,492,084
1987 revenues: $8,561,000
established 1902

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

Fosston, City of
220 E. First St.
Fosston, Minn. 56542
(218) 435-1737
Russell W. Earls: Superintendent
customers: 849
nameplate capacity (kW): oil 954
1987 kWh generated: 0
1987 kWh purchased: 24,848,370
1987 kWh sold: 21,904,981
1987 revenues: $922,000
established 1941

Gilbert, City of
Box 548
Gilbert, Minn. 55741
(218) 741-9617
Ken Hegman, Electric Superintendent
customers: 915
1987 kWh generated: 0
1987 kWh purchased: 8,710,494
1987 kWh sold: 8,120,234
1987 revenues: $533,000
established 1908

Glencoe, City of†*
305 11th St. E.
Glencoe, Minn. 55336
(612) 864-5184
Joseph I. Adrian, Manager
customers: 2,116
nameplate capacity (kW): oil 7,060, gas 19,700
1987 kWh generated: 3,274,000
1987 kWh purchased: 52,605,000
1987 kWh sold: 51,968,000
1987 revenues: $2,742,000
established 1938

Grand Marais, City of†*
15 N. Broadway
Grand Marais, Minn. 55604
(218) 387-1848
Thomas N. Swenson, Manager
customers: 980
nameplate capacity (kW): oil 4,034
1987 kWh generated: 0
1987 kWh purchased: 12,819,000
1987 kWh sold: 11,295,000
1987 revenues: $845,000
established 1949

Grand Rapids Public Utility Commission
420 Pokegama Ave. N.
Grand Rapids, Minn. 55744
(218) 327-2805
Anthony T. Ward, General Manager
customers: 5,031
1987 kWh generated: 0
1987 kWh purchased: 105,007,776
1987 kWh sold: 92,464,345
1987 revenues: $5,889,000
established 1910

Granite Falls, Town of†*
885 Prentice St.
Granite Falls, Minn. 56241
(612) 564-3011
William P. Lavin, City Manager
customers: 1,602
nameplate capacity (kW): hydro 1,275
1987 kWh generated: 4,429,600
1987 kWh purchased: 22,462,240
1987 kWh sold: 22,846,865
1987 revenues: $851,000
established 1890

Grove City Public Utilities
Box 98
Grove City, Minn. 56243
(612) 857-2322
David Martin, Superintendent
customers: 430
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Halstad, City of
405 Second Ave. W.
Halstad, Minn. 56548
(218) 456-2128
Daniel R. Duklet, Superintendent
customers: 378
nameplate capacity (kW): oil 1,100
1987 kWh generated: 1,900
1987 kWh purchased: 8,174,666
1987 kWh sold: 7,469,022
1987 revenues: $345,000
established 1939

Harmony, City of
Box 488
Harmony, Minn. 55939
(507) 886-8122
Norman Johnson, Superintendent
customers: 533
1987 kWh generated: 0
1987 kWh purchased: 7,216,800
1987 kWh sold: 5,751,943
1987 revenues: $378,000

Hawley Public Utilities Commission
319 Sixth St.
Hawley, Minn. 56549
(218) 483-3331
James Brekke, Clerk/Treasurer
customers: 800
nameplate capacity (kW): oil 1,461
1987 kWh generated: 0
1987 kWh purchased: 13,147,000
1987 kWh sold: 11,946,000
1987 revenues: $496,000
established 1909

Henning, City of†*
Box 55
Henning, Minn. 56551
(218) 583-2402
Donald Hagen, Superintendent
customers: 454
1987 kWh generated: 0
1987 kWh purchased: 6,876,720
1987 kWh sold: 6,294,443
1987 revenues: $315,000
established 1956

Hibbing Public Utilities Commission*
Sixth Ave. E. & 19th St.
Hibbing, Minn. 55746
(218) 263-7515
Thomas F. Bovitz, General Manager
customers: 7,088
nameplate capacity (kW): coal 31,000
1987 kWh generated: 43,628,740
1987 kWh purchased: 63,607,000
1987 kWh sold: 93,967,495
1987 revenues: $6,960,000
established 1895

Hutchinson Utilities Commission†*
225 Michigan St.
Hutchinson, Minn. 55350
(612) 587-4746
Clarence Kadrmas, General Manager
customers: 5,037
nameplate capacity (kW): oil 31,000, gas 31,000
1987 kWh generated: 7,862,000
1987 kWh purchased: 192,538,000
1987 kWh sold: 191,749,809
1987 revenues: $8,855,000
established 1936

Jackson, City of†*
80 W. Ashley St.
Jackson, Minn. 56143
(507) 874-4410
Dean Albrecht, City Administrator
customers: 1,805
nameplate capacity (kW): oil 2,900
1987 kWh generated: 0
1987 kWh purchased: 29,523,256
1987 kWh sold: 29,022,748
1987 revenues: $1,279,000
established 1936

Janesville, City of*
219 N. Main St.
Janesville, Minn. 56048
(507) 234-5112
Alan Junkers, Plant Superintendent
customers: 892
nameplate capacity (kW): gas 3,100
1987 kWh generated: 584,900
1987 kWh purchased: 7,642,300
1987 kWh sold: 8,067,209
1987 revenues: $518,000
established 1939

Kandiyohi, City of
Box 276
Kandiyohi, Minn. 56251
(612) 382-6110
M. W. Seiler, Clerk
customers: 239
1987 kWh generated: 0
1987 kWh purchased: 3,054,830
1987 kWh sold: 3,054,830
1987 revenues: $130,000

Kasota, City of
201 Webster St.
Kasota, Minn. 56050
(507) 931-3290
Rose Sickler, Clerk
customers: 308
1987 kWh generated: 0
1987 kWh purchased: 2,884,580
1987 kWh sold: 2,884,580
1987 revenues: $170,000

Kasson, City of
122 W. Main St.
Kasson, Minn. 55944
(507) 634-7302
Keith Houston, Superintendent
customers: 1,439
1987 kWh generated: 0
1987 kWh purchased: 14,354,400
1987 kWh sold: 12,778,415
1987 revenues: $746,000
established 1937

Keewatin Public Utilities Commission
City Hall, Box 190
Keewatin, Minn. 55753
(218) 778-6544
Richard Nyhus, Superintendent
customers: 564
1987 kWh generated: 0
1987 kWh purchased: 6,011,541
1987 kWh sold: 5,548,942
1987 revenues: $304,000
established 1927

Kenyon, City of
713 Second St.
Kenyon, Minn. 55946
(507) 789-6573
Lorry Wille, Superintendent
customers: 798
nameplate capacity (kW): oil 1,900
1987 kWh generated: 0
1987 kWh purchased: 11,534,400
1987 kWh sold: 10,720,058
1987 revenues: $583,000
established 1932

Lake City, City of*
205 W. Center St.
Lake City, Minn. 55041
(612) 345-5383
Steven C. Cress, Utilities Manager
customers: 2,468
1987 kWh generated: 0
1987 kWh purchased: 72,008,023
1987 kWh sold: 68,323,406
1987 revenues: $3,717,000
established 1907

Lake Crystal, City of
City Hall
Lake Crystal, Minn. 56055
(507) 726-2538
Al Sutherland, City Manager
customers: 889
nameplate capacity (kW): gas 4,100
1987 kWh generated: 355,130
1987 kWh purchased: 11,657,296
1987 kWh sold: 11,176,855
1987 revenues: $724,000
established 1937

Lake Park, City of†*
Second St.
Lake Park, Minn. 56554
(218) 238-5337
George Mattson, Superintendent
customers: 374
1987 kWh generated: 0
1987 kWh purchased: 6,271,000
1987 kWh sold: 5,544,000
1987 revenues: $314,000
established 1927

Lakefield, City of†*
110 Mill Road, Box 868
Lakefield, Minn. 56150
(507) 662-6363
Richard Thompson, Superintendent
customers: 933
nameplate capacity (kW): oil 4,000
1987 kWh generated: 57,900
1987 kWh purchased: 11,618,739
1987 kWh sold: 10,910,777
1987 revenues: $466,000
established 1900

Lanesboro Public Utility Commission
202 Parkway St.
Lanesboro, Minn. 55949
(507) 467-3722
Dale Olson, Superintendent
customers: 557
nameplate capacity (kW): oil 1,695, hydro 477
1987 kWh generated: 240,500
1987 kWh purchased: 4,646,140
1987 kWh sold: 4,423,844
1987 revenues: $249,000
established 1902

Le Sueur, City of
228 N. Main St.
Le Sueur, Minn. 56058
(612) 665-3338
M. D. Hentges, Superintendent
customers: 1,804
nameplate capacity (kW): oil 3,433
1987 kWh generated: 22,400
1987 kWh purchased: 55,017,600
1987 kWh sold: 53,398,953
1987 revenues: $3,057,000
established 1934

Litchfield Public Utility Commission†*
421 E. Third St., Box 521
Litchfield, Minn. 55355
(612) 693-3277
Dallas E. Nelson, Superintendent

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

customers: 2,730
nameplate capacity (kW): oil 8,100; coal 1,000
1987 kWh generated: 0
1987 kWh purchased: 77,547,745
1987 kWh sold: 73,813,693
1987 revenues: $2,119,000
established 1889

Luverne, City of†*
609 E. Main St.
Luverne, Minn. 56156
(507) 283-2388
Steven L. Perkins, City Administrator
customers: 2,179
nameplate capacity (kW): oil 4,100; gas 3,000
1987 kWh generated: 0
1987 kWh purchased: 52,214,116
1987 kWh sold: 43,640,222
1987 revenues: $1,642,000
established 1893

Mabel, City of
Box 425
Mabel, Minn. 55954
(507) 493-5299
Jimmy Narum, Clerk
customers: 474
1987 kWh generated: 0
1987 kWh purchased: 4,096,800
1987 kWh sold: 3,834,423
1987 revenues: $257,000
established 1905

Madelia, City of*
24 Abbott Ave.
Madelia, Minn. 56062
(507) 642-8803
Steve Moses, Manager
customers: 1,120
nameplate capacity (kW): gas 8,846
1987 kWh generated: 65,700
1987 kWh purchased: 26,496,000
1987 kWh sold: 25,045,400
1987 revenues: $1,344,000
established 1939

Madison, City of†*
109 Seventh Ave.
Madison, Minn. 56256
(612) 598-3239
Harold L. Hodge, Superintendent
customers: 1,120
nameplate capacity (kW): oil 1,040; coal 1,000
1987 kWh generated: 0
1987 kWh purchased: 18,536,119
1987 kWh sold: 16,282,244
1987 revenues: $848,000
established 1898

Marshall, City of†*
113 S. Fourth St.
Marshall, Minn. 56258
(507) 532-4451
Richard A. Voller, General Manager
customers: 4,952
nameplate capacity (kW): oil 23,400
1987 kWh generated: 39,100
1987 kWh purchased: 224,151,200
1987 kWh sold: 218,863,132
1987 revenues: $7,428,000
established 1894

Melrose, City of†*
225 E. First St. N.
Melrose, Minn. 56352
(612) 256-4278
Donald E. Salzmann, Superintendent of Public Works
customers: 1,250
nameplate capacity (kW): oil 8,100
1987 kWh generated: 0
1987 kWh purchased: 72,953,089
1987 kWh sold: 69,164,326
1987 revenues: $2,584,000
established 1905

Moorhead, City of†*
500 Center Ave., Box 779
Moorhead, Minn. 56560
(218) 299-5400
Tom Heller, General Manager
customers: 12,198
nameplate capacity (kW): oil 10,000; coal 35,530
1987 kWh generated: 87,500
1987 kWh purchased: 299,046,992
1987 kWh sold: 283,923,343
1987 revenues: $8,611,000
established 1895

Moose Lake Water & Light Commission
401 Fourth St.
Moose Lake, Minn. 55767
(218) 486-4100
Warren G. Weske, Superintendent
customers: 784
nameplate capacity (kW): gas 4,600
1987 kWh generated: 41,000
1987 kWh purchased: 13,520,000
1987 kWh sold: 12,972,000
1987 revenues: $892,000
established 1933

Mora, City of*
117 S.E. Railroad Ave.
Mora, Minn. 55051
(612) 679-1511
Robert A. Filson, City Administrator
customers: 1,574
nameplate capacity (kW): gas 17,611
1987 kWh generated: 9,653,300
1987 kWh purchased: 54,793,042
1987 kWh sold: 62,396,108
1987 revenues: $3,539,000
established 1934

Mountain Iron, City of*
City Hall, Box 505
Mountain Iron, Minn. 55768
(218) 735-8267
Richard F. Anderson, Superintendent of Public Works
customers: 712
1987 kWh generated: 0
1987 kWh purchased: 10,339,000
1987 kWh sold: 9,732,399
1987 revenues: $676,000
established 1919

Mountain Lake, City of†*
1015 Second Ave.
Mountain Lake, Minn. 56159
(507) 427-2999
Harold Quiring, Head, Electric Department
customers: 1,068
nameplate capacity (kW): oil 5,442
1987 kWh generated: 0
1987 kWh purchased: 17,326,622
1987 kWh sold: 15,778,059
1987 revenues: $898,034
established 1935

Nashwauk, City of
301 Central Ave.
Nashwauk, Minn. 55769
(218) 885-1210
Peter Stupar, Supervisor
customers: 490
1987 kWh generated: 0
1987 kWh purchased: 5,562,009
1987 kWh sold: 4,730,609
1987 revenues: $256,000
established 1910

New Prague Municipal Utilities Commission*
300 E. Main St.
New Prague, Minn. 56071
(612) 758-4447
Donald E. Meyer, Superintendent
customers: 1,520
nameplate capacity (kW): gas 18,300
1987 kWh generated: 1,659,300
1987 kWh purchased: 42,712,000
1987 kWh sold: 42,734,000
1987 revenues: $3,042,000
established 1928

New Ulm Public Utilities Commission*
310 First North St.
New Ulm, Minn. 56073
(507) 359-8264
John R. Gilman, Superintendent
customers: 6,089
nameplate capacity (kW): oil 24,000; coal 21,000
1987 kWh generated: 84,976,530
1987 kWh purchased: 57,631,000
1987 kWh sold: 139,406,116
1987 revenues: $7,085,000
established 1902

Newfolden, City of
Newfolden, Minn. 56738
(218) 874-3186
Marlin Lee, Superintendent
customers: 180
1987 kWh generated: 0
1987 kWh purchased: 3,378,278
1987 kWh sold: 3,117,288
1987 revenues: $151,000

Nielsville, City of
Box 68
Nielsville, Minn. 56568
(218) 946-3281
Darlene Ruthenberg, City Clerk
customers: 47
1987 kWh generated: 0
1987 kWh purchased: 973,000
1987 kWh sold: 734,000
1987 revenues: $39,000

North Branch, City of*
712 Maple St.
North Branch, Minn. 55056
(612) 674-7100
Bruce Walters, Superintendent
customers: 880
nameplate capacity (kW): oil 3,300
1987 kWh generated: 1,008,260
1987 kWh purchased: 11,479,809
1987 kWh sold: 11,336,689
1987 revenues: $894,000
established 1941

North Saint Paul, City of*
2526 E. Seventh Ave.
North Saint Paul, Minn. 55109
(612) 770-4488
Ronald Schuler, Director of Electric Utilities
customers: 5,489
1987 kWh generated: 0
1987 kWh purchased: 63,985,600
1987 kWh sold: 58,605,248
1987 revenues: $3,752,000
established 1898

Olivia, City of
1009 W. Lincoln Ave.
Olivia, Minn. 56277
(612) 523-2361
Robert E. Ewer, Superintendent
customers: 1,242
1987 kWh generated: 0
1987 kWh purchased: 26,273,681
1987 kWh sold: 22,976,151
1987 revenues: $922,000

Ortonville, City of†*
315 Madison Ave.
Ortonville, Minn. 56278
(612) 839-3428
Don Geier, City Clerk
customers: 1,312
1987 kWh generated: 0
1987 kWh purchased: 24,619,468
1987 kWh sold: 22,789,393
1987 revenues: $1,052,000
established 1905

Owatonna, City of†*
208 S. Walnut St., Box 800
Owatonna, Minn. 55060
(507) 451-2480
David M. Martin, General Manager
customers: 8,322
nameplate capacity (kW): gas 27,500
1987 kWh generated: 0
1987 kWh purchased: 180,966,000
1987 kWh sold: 169,274,000
1987 revenues: $9,254,000
established 1924

Peterson, City of
City Hall, Box 94
Peterson, Minn. 55962
(507) 875-2510
Paul Benson, Clerk/Treasurer
customers: 115
1987 kWh generated: 0
1987 kWh purchased: 1,346,000
1987 kWh sold: 1,175,637
1987 revenues: $86,000

Pierz Electric Department
Box 457
Pierz, Minn. 56364
(612) 468-6405
Jim Kummet, Superintendent
customers: 523
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Preston Public Utilities Commission*
109 St. Paul Two S.W., Box 657
Preston, Minn. 55965
(507) 765-4541
Fred Nagle, Superintendent
customers: 805
nameplate capacity (kW): oil 2,400; gas 2,000
1987 kWh generated: 132,140
1987 kWh purchased: 11,484,013
1987 kWh sold: 11,050,476
1987 revenues: $822,000
established 1896

Princeton Public Utilities Commission†*
First St. and Tenth Ave.
Princeton, Minn. 55371
(612) 389-2252
Harold Steppuhn, Manager
customers: 1,745
nameplate capacity (kW): oil 7,600
1987 kWh generated: 0
1987 kWh purchased: 32,574,349
1987 kWh sold: 28,475,927
1987 revenues: $2,018,000
established 1938

Proctor Public Utilities Commission
210 Third St.
Proctor, Minn. 55810
(218) 624-4055
Daniel Hoffman, General Manager
customers: 1,425
1987 kWh generated: 0
1987 kWh purchased: 14,825,400
1987 kWh sold: 13,886,654
1987 revenues: $866,000
established 1941

Randall, City of
City Hall
Randall, Minn. 56475
(612) 749-2159
Larry Sharon, Clerk
customers: 257
1987 kWh generated: 0
1987 kWh purchased: 2,113,680
1987 kWh sold: 2,092,680
1987 revenues: $180,000

Redwood Falls Public Utilities Commission†*
333 S. Washington St., Box 48, Box 48
Redwood Falls, Minn. 56283
(507) 637-5789
Curtis G. Weber, Superintendent
customers: 2,393
nameplate capacity (kW): oil 10,000; hydro 500
1987 kWh generated: 4,500,754
1987 kWh purchased: 51,937,615
1987 kWh sold: 51,827,737
1987 revenues: $2,170,000
established 1946

Rochester Public Utilities†*
4000 E. River Road N.E.
Rochester, Minn. 55904-2813
(507) 280-1540
Robert R. Pawelski, General Manager
customers: 29,795
nameplate capacity (kW): oil 35,000; coal 104,000; hydro 2,680
1987 kWh generated: 369,916,500
1987 kWh purchased: 410,278,275
1987 kWh sold: 751,113,000
1987 revenues: $41,932,000
established 1892

Roseau, City of
100 Second Ave., Box 307
Roseau, Minn. 56751
(218) 463-1542
Leland Lunos, City Clerk
customers: 1,130
nameplate capacity (kW): oil 3,052
1987 kWh generated: 28,100
1987 kWh purchased: 26,538,954
1987 kWh sold: 24,192,810
1987 revenues: $1,084,000

Round Lake, City of
98 Main St.
Round Lake, Minn. 56167
(507) 945-8127
Gary Jergensen, Superintendent
customers: 251
1987 kWh generated: 0
1987 kWh purchased: 6,753,600
1987 kWh sold: 6,205,555
1987 revenues: $403,000

Rushford, City of
405 S. Elm St., Box 430
Rushford, Minn. 55971
(507) 864-2444
Robert A. Museus, Clerk/Administrator
customers: 748
1987 kWh generated: 0
1987 kWh purchased: 12,521,600
1987 kWh sold: 10,100,549
1987 revenues: $652,000
established 1901

Rushmore, City of
Box 227
Rushmore, Minn. 56168
(507) 478-4338
Lori Gruis, City Clerk
customers: 212
1987 kWh generated: 0
1987 kWh purchased: 2,217,342
1987 kWh sold: 2,132,029
1987 revenues: $156,000

St. Charles, City of
1242 Whitewater Ave.
St. Charles, Minn. 55972
(507) 932-3020
Gus Ihrke, Superintendent
customers: 1,194
1987 kWh generated: 0
1987 kWh purchased: 21,340,800
1987 kWh sold: 20,199,881
1987 revenues: $1,163,000

St. James, City of†*
124 Armstrong Blvd. S., Box 70
St. James, Minn. 56081
(507) 375-3241
Craig Christiansen, Director of Public Works
customers: 2,068
1987 kWh generated: 0
1987 kWh purchased: 39,617,856
1987 kWh sold: 33,188,382
1987 revenues: $1,348,000

St. Peter, City of*
227 S. Front St.
St. Peter, Minn. 56082
(507) 931-4840
Lewis G. Giesking, Director of Public Works
customers: 3,161
1987 kWh generated: 0
1987 kWh purchased: 63,183,865
1987 kWh sold: 59,039,575
1987 revenues: $3,829,000
established 1891

Sauk Centre, City of†*
101 Main St. S.
Sauk Centre, Minn. 56378
(612) 352-6538
DeWayne Rubedor, Superintendent
customers: 1,770
1987 kWh generated: 0
1987 kWh purchased: 37,337,000
1987 kWh sold: 34,061,000
1987 revenues: $1,232,000
established 1916

Shakopee Public Utilities Commission*
1030 E. Fourth Ave.
Shakopee, Minn. 55379
(612) 445-1988
Lou Van Hout, Utilities Manager
customers: 4,638
1987 kWh generated: 0
1987 kWh purchased: 101,946,400
1987 kWh sold: 97,312,419
1987 revenues: $4,831,000
established 1900

Shelly, City of
Box 126
Shelly, Minn. 56581
(218) 886-8895
Chester Mauritson, Mayor
customers: 141
1987 kWh generated: 0
1987 kWh purchased: 2,332,000
1987 kWh sold: 1,888,000
1987 revenues: $98,000

Sleepy Eye Public Utility Commission*
130 Second Ave. N.W.
Sleepy Eye, Minn. 56085
(507) 794-4371
David Logue, Superintendent
customers: 1,726
nameplate capacity (kW): oil 2,122; coal 3,250
1987 kWh generated: 3,755,714
1987 kWh purchased: 29,459,419
1987 kWh sold: 30,834,672
1987 revenues: $1,724,000
established 1895

Spring Grove, City of
118 First Ave.
Spring Grove, Minn. 55974
(507) 498-5221
Robert Hillman, Clerk Administrator
customers: 708
1987 kWh generated: 0
1987 kWh purchased: 13,009,200
1987 kWh sold: 10,386,878
1987 revenues: $633,000

Spring Valley Public Utilities Commission†*
104 S. Section Ave.
Spring Valley, Minn. 55975
(507) 346-7622
Robert Carson, Superintendent
customers: 1,391
nameplate capacity (kW): oil 8,340
1987 kWh generated: 1,861,100
1987 kWh purchased: 13,816,483
1987 kWh sold: 13,500,875
1987 revenues: $1,059,000
established 1935

Springfield Public Utilities Commission
14 N. Marshall Ave.
Springfield, Minn. 56087
(507) 723-5290
Menno Mennenga, Superintendent
customers: 1,182
nameplate capacity (kW): coal 7,800
1987 kWh generated: 0
1987 kWh purchased: 19,349,672
1987 kWh sold: 18,137,394
1987 revenues: $1,016,000
established 1894

Staples, City of†*
611 Iowa Ave. N.
Staples, Minn. 56479
(218) 894-2550
Gerald Brever, City Administrator
customers: 1,771
1987 kWh generated: 0
1987 kWh purchased: 19,587,900
1987 kWh sold: 18,076,754
1987 revenues: $991,000

Stephen, City of
Box 630
Stephen, Minn. 56757
(218) 478-3803
Leonard Bazey, Superintendent
customers: 432
1987 kWh generated: 0
1987 kWh purchased: 9,602,956
1987 kWh sold: 9,091,268
1987 revenues: $401,000
established 1910

Thief River Falls, City of*
803 S. Barzen Ave.
Thief River Falls, Minn. 56701
(218) 681-5816
John T. Anderson, Superintendent
customers: 3,749
nameplate capacity (kW): oil 5,900; hydro 550
1987 kWh generated: 2,095,800
1987 kWh purchased: 86,591,184
1987 kWh sold: 85,748,150
1987 revenues: $3,486,000
established 1901

Truman Public Utilities†*
Box 147
Truman, Minn. 56088
(507) 776-6501
Robert H. Grefe, Superintendent
customers: 810
nameplate capacity (kW): gas 4,177
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1938

Two Harbors, City of
610 Second Ave.
Two Harbors, Minn. 55616
(218) 834-5631
Robert Sellman, Superintendent
customers: 2,144
nameplate capacity (kW): gas 2,000; coal 6,000
1987 kWh generated: 0
1987 kWh purchased: 19,112,300
1987 kWh sold: 17,820,425
1987 revenues: $1,279,000
established 1909

Tyler, City of†*
Box 398
Tyler, Minn. 56178
(507) 247-5556
Al Jorgensen, Clerk
customers: 660
nameplate capacity (kW): oil 1,300
1987 kWh generated: 0
1987 kWh purchased: 11,239,000
1987 kWh sold: 9,103,000
1987 revenues: $380,000

Virginia, City of
620 Second St. S., Box 1048
Virginia, Minn. 55792
(218) 741-0740
James Mahon, General Manager
customers: 5,858
nameplate capacity (kW): coal 36,000
1987 kWh generated: 66,508,530
1987 kWh purchased: 22,118,000
1987 kWh sold: 78,608,652
1987 revenues: $5,216,000
established 1913

Wadena, City of†*
104 N. Jefferson
Wadena, Minn. 56482
(218) 631-1813
Curt Punt, Superintendent
customers: 2,362
1987 kWh generated: 0
1987 kWh purchased: 47,234,001
1987 kWh sold: 43,270,387
1987 revenues: $1,653,000
established 1897

Warren, City of
126 W. Johnson Ave.
Warren, Minn. 56762
(218) 745-5343
Ralph Plencner, Superintendent
customers: 887
nameplate capacity (kW): oil 2,161
1987 kWh generated: 6,300
1987 kWh purchased: 18,318,554
1987 kWh sold: 16,994,098
1987 revenues: $770,000
established 1902

Warroad, City of
Box 50
Warroad, Minn. 56763
(218) 386-1873
Darrel Anderson, Superintendent
customers: 820
1987 kWh generated: 0
1987 kWh purchased: 31,086,000
1987 kWh sold: 30,194,811
1987 revenues: $1,280,000

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

Waseca, City of*
508 S. State St.
Waseca, Minn. 56093
(507) 835-3890
Timothy Madigan, City Manager
customers: 3,764
1987 kWh generated: 0
1987 kWh purchased: 52,597,346
1987 kWh sold: 48,438,800
1987 revenues: $3,133,000
established 1894

Wells, City of†*
101 First St. S.E.
Wells, Minn. 56097
(507) 553-3119
Ray Wigern, Superintendent
customers: 1,372
nameplate capacity (kW): oil 8,300
1987 kWh generated: 23,125,851
1987 kWh purchased: 0
1987 kWh sold: 20,585,551
1987 revenues: $1,441,000
established 1894

Westbrook, City of†*
Box 296
Westbrook, Minn. 56183
(507) 274-6712
Dennis Jutting, Superintendent
customers: 532
nameplate capacity (kW): oil 1,548
1987 kWh generated: 0
1987 kWh purchased: 7,906,699
1987 kWh sold: 6,999,180
1987 revenues: $350,000
established 1938

Whalan, Town of
Box 35
Whalan, Minn. 55986
(507) 467-2326
Adeline Larson, Town Clerk
customers: 54
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Willmar Municipal Utilities Commission*
704 Litchfield Ave. S.W.
Willmar, Minn. 56201
(612) 235-4422
C. Ted Nelson, General Manager
customers: 7,736
nameplate capacity (kW): coal 31,000
1987 kWh generated: 42,051,250
1987 kWh purchased: 118,588,743
1987 kWh sold: 147,122,297
1987 revenues: $8,182,000
established 1895

Windom, City of†*
444 Ninth St.
Windom, Minn. 56101
(507) 831-1539
Dennis Purrington, Superintendent
customers: 2,279
nameplate capacity (kW): oil 3,000
1987 kWh generated: 11,000
1987 kWh purchased: 44,370,876
1987 kWh sold: 44,381,876
1987 revenues: $1,260,000
established 1895

Winthrop, City of
305 N. Main St., Box Y
Winthrop, Minn. 55396
(507) 647-5306
Delbert Thompson, Superintendent
customers: 738
1987 kWh generated: 0
1987 kWh purchased: 13,658,400
1987 kWh sold: 11,882,808
1987 revenues: $630,000
established 1925

Worthington, City of†*
823 Third Ave., Box 279
Worthington, Minn. 56187
(507) 376-3161
Donald E. Habicht, General Manager
customers: 4,697
nameplate capacity (kW): gas 17,000
1987 kWh generated: 0
1987 kWh purchased: 112,319,619
1987 kWh sold: 101,429,876
1987 revenues: $5,542,000
established 1895

MISSISSIPPI

(Systems designated (TVA) are distributors of Tennessee Valley Authority power and purchase all of their power from TVA.)

Aberdeen Electric Department
Box 817
Aberdeen, Miss. 39730
(601) 369-4731
R. T. Byars, General Manager
customers: 3,403
1987 kWh generated: not available
1987 kWh purchased: unavailable (TVA)
1987 kWh sold: not available
1987 revenues: not available
established 1939

Amory, City of
Box 266
Amory, Miss. 38821
(601) 256-5633
Billie B. Wright, Manager
customers: 3,830
1987 kWh generated: 0
1987 kWh purchased: 116,669,033 (TVA)
1987 kWh sold: 107,474,092
1987 revenues: $6,270,000
established 1934

Canton, City of†*
226 E. Peace St.
Canton, Miss. 39046
(601) 859-2921
John Wallace, General Manager
customers: 4,728
1987 kWh generated: 0
1987 kWh purchased: 89,030,196
1987 kWh sold: 82,871,080
1987 revenues: $5,446,000
established 1896

Clarksdale, City of*
Box 940
Clarksdale, Miss. 38614
(601) 627-4761
Marvin Carraway, General Manager
customers: 7,980
nameplate capacity (kW): gas 61,550
1987 kWh generated: 31,190,800
1987 kWh purchased: 175,808,041
1987 kWh sold: 175,805,554
1987 revenues: $9,566,000
established 1900

Collins, City of
Box 400
Collins, Miss. 39428
(601) 765-4491
Jimmy D. Harvey, Supervisor
customers: 11,201
1987 kWh generated: 0
1987 kWh purchased: 21,783,900
1987 kWh sold: 0
1987 revenues: $20,142,945

Columbus, City of†*
Box 949
Columbus, Miss. 39701
(601) 328-7192
Reynolds Ridgley, General Manager
customers: 11,457
1987 kWh generated: 0
1987 kWh purchased: 409,048,006 (TVA)
1987 kWh sold: 390,319,593
1987 revenues: $20,918,000
established 1939

Durant, City of
106 W. Mulberry St.
Durant, Miss. 39063
(601) 653-3221
R. C. Umphers, Superintendent
customers: 1,146
1987 kWh generated: 0
1987 kWh purchased: 18,044,260
1987 kWh sold: 16,128,614
1987 revenues: $1,203,000
established 1930

Greenwood Utilities Commission*
101 Wright Place
Greenwood, Miss. 38930
(601) 453-7234
Clyde W. Farrell, Manager
customers: 9,942
nameplate capacity (kW): gas 24,750; coal 42,650
1987 kWh generated: 48,427,408
1987 kWh purchased: 198,277,866
1987 kWh sold: 222,267,865
1987 revenues: $14,030,000
established 1904

Holly Springs, City of
Highway 4 E., Box 520
Holly Springs, Miss. 38635
(601) 252-4411
I. W. Carpenter, General Manager
customers: 8,806
1987 kWh generated: 0
1987 kWh purchased: 190,077,608 (TVA)
1987 kWh sold: 175,974,863
1987 revenues: $9,874,000
established 1890

Itta Bena, City of
Box 563
Itta Bena, Miss. 38941
(601) 254-7231
James Peeples, Superintendent
customers: 1,114
1987 kWh generated: 0
1987 kWh purchased: 12,420,654
1987 kWh sold: 11,642,606
1987 revenues: $878,000

Kosciusko, City of*
204 W. Jefferson St.
Kosciusko, Miss. 39090
(601) 289-1141
Charles E. Burchfield, Superintendent
customers: 3,220
1987 kWh generated: 0
1987 kWh purchased: 55,584,356
1987 kWh sold: 48,041,853
1987 revenues: $3,693,000
established 1919

Leland, City of*
101 Deer Creek Drive
Leland, Miss. 38756
(601) 686-7623
Joe Melton, Superintendent
customers: 2,490
1987 kWh generated: 0
1987 kWh purchased: 28,580,181
1987 kWh sold: 26,579,568
1987 revenues: $2,088,000

Louisville, City of
N. Church St., Box 71
Louisville, Miss. 39339
(601) 773-5521
Tommy Lee Kirkpatrick, Manager
customers: 3,389
1987 kWh generated: 0
1987 kWh purchased: 138,408,077 (TVA)
1987 kWh sold: 134,893,669
1987 revenues: $7,093,000
established 1939

Macon, City of
105 W. Pulaski St., Box 146
Macon, Miss. 39341
(601) 726-5251
Richard Schimmel, Superintendent
customers: 1,180
1987 kWh generated: 0
1987 kWh purchased: 21,930,572 (TVA)
1987 kWh sold: 20,804,528
1987 revenues: $1,248,000
established 1927

New Albany, City of*
100 Cleveland St., Box 236
New Albany, Miss. 38652
(406) 534-1041
Harold G. Smith, Manager
customers: 8,326
1987 kWh generated: 0
1987 kWh purchased: 191,698,723 (TVA)
1987 kWh sold: 176,808,028
1987 revenues: $10,259,000
established 1934

Okolona, City of
Box 111
Okolona, Miss. 38860
(601) 447-5482
Frank Westbrook, Manager
customers: 4,369
1987 kWh generated: 0
1987 kWh purchased: 77,031,360 (TVA)
1987 kWh sold: 69,885,039
1987 revenues: $4,203,000
established 1935

Oxford, City of
901 Jackson Ave., Box 827
Oxford, Miss. 38655
(601) 236-1310
Tom H. Landrum, Superintendent
customers: 4,810
nameplate capacity (kW): oil 500
1987 kWh generated: 0
1987 kWh purchased: 125,740,418 (TVA)
1987 kWh sold: 118,279,674
1987 revenues: $6,356,000
established 1896

Philadelphia, City of
435 E. Myrtle St., Box 88
Philadelphia, Miss. 39350
(601) 656-1121
John Burt, Manager
customers: 3,560
1987 kWh generated: 0
1987 kWh purchased: 112,824,099 (TVA)
1987 kWh sold: 107,562,604
1987 revenues: $5,984,000
established 1939

Starkville, City of
Box 927
Starkville, Miss. 39759
(601) 323-3272

Clay Campbell, General Manager
customers: 7,591
1987 kWh generated: 0
1987 kWh purchased: 282,185,851 (TVA)
1987 kWh sold: 270,488,649
1987 revenues: $14,288,000
established 1939

Tupelo, City of
Box 588
Tupelo, Miss. 38801
(601) 842-6460
Charles F. Hutchison, Manager
customers: 13,024
1987 kWh generated: 0
1987 kWh purchased: 511,328,457 (TVA)
1987 kWh sold: 490,487,669
1987 revenues: $25,727,000
established 1900

Water Valley, City of
Box 231
Water Valley, Miss. 38965
(601) 473-3326
Vernon Chambers, Superintendent
customers: 1,901
1987 kWh generated: 0
1987 kWh purchased: 63,174,720 (TVA)
1987 kWh sold: 58,631,862
1987 revenues: $3,299,000
established 1938

West Point, City of
331 Washington St.
West Point, Miss. 39773
(601) 494-2262
Dewell Brasher, Superintendent
customers: 3,908
1987 kWh generated: 0
1987 kWh purchased: 151,553,355 (TVA)
1987 kWh sold: 147,107,091
1987 revenues: $7,929,000
established 1958

Yazoo City Public Service Commission*
125 W. Commercial St., Box 660
Yazoo City, Miss. 39194
(601) 746-3741
Robert D. Priest, Manager
customers: 5,534
nameplate capacity (kW): gas 33,190
1987 kWh generated: 0
1987 kWh purchased: 91,621,040
1987 kWh sold: 83,387,295
1987 revenues: $5,856,000
established 1903

MISSOURI

Albany, City of
106 E. Clay St.
Albany, Mo. 64402
(816) 726-3510
Gene Wilson, City Administrator
customers: 1,362
nameplate capacity (kW): oil 6,550
1987 kWh generated: 120,000
1987 kWh purchased: 15,705,000
1987 kWh sold: 13,767,000
1987 revenues: $633,000

Bethany, City of
218 W. 16th St., Box 344
Bethany, Mo. 64424
(816) 425-3511
Larry D. Sanders, Superintendent
customers: 1,707
nameplate capacity (kW): oil 8,450
1987 kWh generated: 697,900
1987 kWh purchased: 27,162,374
1987 kWh sold: 22,208,845
1987 revenues: $1,347,000

Butler, City of
101 N. Lyons St.
Butler, Mo. 64730
(816) 679-4182
Joe Dennis, City Administrator
customers: 2,358
nameplate capacity (kW): oil 6,100
1987 kWh generated: 2,865,220
1987 kWh purchased: 26,974,980
1987 kWh sold: 29,137,971
1987 revenues: $2,422,000
established 1881

Cabool, City of
618 Main St.
Cabool, Mo. 65689
(417) 962-3136
Noah January, City Administrator
customers: 965
1987 kWh generated: 0
1987 kWh purchased: 28,224,000
1987 kWh sold: 24,613,999
1987 revenues: $1,608,000
established 1948

California, City of
Highway 50 W.
California, Mo. 65018
(314) 796-4591
Gary O. Wells, Superintendent
customers: 1,771
nameplate capacity (kW): oil 1,500
1987 kWh generated: 0
1987 kWh purchased: 24,328,021
1987 kWh sold: 19,867,444
1987 revenues: $1,488,000
established 1936

Cameron, City of
205-209 N. Main St.
Cameron, Mo. 64429
(816) 632-2177
Willard Peterson, Superintendent
customers: 2,305
nameplate capacity (kW): oil 4,338
1987 kWh generated: 0
1987 kWh purchased: 34,761,600
1987 kWh sold: 28,313,836
1987 revenues: $2,285,000
established 1924

Campbell, City of
202 W. Grand St.
Campbell, Mo. 63933
(314) 246-2541
Randall Baker, City Clerk
customers: 1,294
nameplate capacity (kW): oil 3,596
1987 kWh generated: 154,600
1987 kWh purchased: 15,985,732
1987 kWh sold: 14,660,202
1987 revenues: $958,000

Carrollton, City of*
707 S. Main St., Box 460
Carrollton, Mo. 64633
(816) 542-0360
Lowell L. Anderson, Superintendent
customers: 2,396
nameplate capacity (kW): oil 704; gas 21,515
1987 kWh generated: 296,000
1987 kWh purchased: 41,320,000
1987 kWh sold: 34,056,000
1987 revenues: $1,942,000
established 1941

Carthage, City of*
149 E. Third St., Drawer 611
Carthage, Mo. 64836
(417) 358-5904
Wayne Weber, Superintendent
customers: 6,354
nameplate capacity (kW): gas 41,800
1987 kWh generated: 131,127
1987 kWh purchased: 158,786,600
1987 kWh sold: 146,676,170
1987 revenues: $8,951,000
established 1898

Centralia, City of
114 S. Rollins St.
Centralia, Mo. 65240
(314) 682-2193
Lynn P. Behrns, City Administrator
customers: 1,636
1987 kWh generated: 0
1987 kWh purchased: 19,852,800
1987 kWh sold: 16,527,959
1987 revenues: $1,218,000
established 1916

Chillicothe, City of*
715 Washington St., box 140
Chillicothe, Mo. 64601-0140
(816) 646-1664
Ray Blakely, General Manager
customers: 4,598
nameplate capacity (kW): gas 80,000; coal 11,000
1987 kWh generated: 26,483,000
1987 kWh purchased: 58,982,000
1987 kWh sold: 75,456,000
1987 revenues: $5,345,000
established 1911

Clarksville, City of
111 Howard St., Box 528
Clarksville, Mo. 63336
(314) 242-3553
D. Kent Taylor, Superintendent
customers: 342
1987 kWh generated: 0
1987 kWh purchased: 4,121,597
1987 kWh sold: 3,575,754
1987 revenues: $222,000
established 1939

Columbia, City of†*
701 E. Broadway, Box N
Columbia, Mo. 65201
(314) 874-7325
Richard E. Malon, Director
customers: 24,639
nameplate capacity (kW): gas 47,500; coal 56,000
1987 kWh generated: 85,657,000
1987 kWh purchased: 533,950,000
1987 kWh sold: 578,592,023
1987 revenues: $36,824,000
established 1904

Crane, City of
120 N. Commerce St., Box 17
Crane, Mo. 65633
(417) 723-5990
Jack Swearingen, Director of Public Works
customers: 618
1987 kWh generated: 0
1987 kWh purchased: 11,536,000
1987 kWh sold: 10,610,708
1987 revenues: $687,000
established 1963

Cuba, City of
202 N. Smith St.
Cuba, Mo. 65453
(314) 885-7432
Paul D. Dickens, Superintendent
customers: 1,440
1987 kWh generated: 0
1987 kWh purchased: 26,239,000
1987 kWh sold: 24,676,000
1987 revenues: $1,771,000

Easton, City of
104 N. Woodward, Box 75
Easton, Mo. 64443
(816) 473-4571
Tammy Smith, Clerk
customers: 93
1987 kWh generated: 0
1987 kWh purchased: 1,261,800
1987 kWh sold: 1,098,060
1987 revenues: $78,000

El Dorado Springs, City of
127 West Spring St.
El Dorado Springs, Mo. 64744
(417) 876-2521
Ronald D. Trivitt, City Manager
customers: 1,958
1987 kWh generated: 0
1987 kWh purchased: 34,569,600
1987 kWh sold: 29,680,107
1987 revenues: $2,028,000
established 1939

Farmington, City of*
110 W. Columbia St.
Farmington, Mo. 63640
(314) 756-2620
R. W. Sheppard, Superintendent
customers: 3,953
1987 kWh generated: 0
1987 kWh purchased: 78,320,000
1987 kWh sold: 73,324,000
1987 revenues: $5,068,000
established 1900

Fayette, City of
117 S. Main St.
Fayette, Mo. 65248
(816) 248-5246
Ken Roberts, Plant Superintendent
customers: 1,144
nameplate capacity (kW): gas 13,986
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1932

Fredericktown, City of*
120 W. Main St.
Fredericktown, Mo. 63645
(314) 783-3683
Roger D. Smith, Manager
customers: 2,022
1987 kWh generated: 0
1987 kWh purchased: 34,112,880
1987 kWh sold: 30,552,830
1987 revenues: $1,987,000
established 1948

Fulton, City of*
Fourth and Market St.
Fulton, Mo. 65251
(314) 642-6655
Byron Dysart, Superintendent
customers: 4,418
nameplate capacity (kW): gas 32,650; coal 12,000
1987 kWh generated: 1,113,070
1987 kWh purchased: 98,833,000
1987 kWh sold: 87,571,215
1987 revenues: $5,850,000
established 1895

Gallatin, City of
112 E. Grand
Gallatin, Mo. 64640
(816) 663-2011

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

C. R. Bashford, Superintendent
customers: 1,030
nameplate capacity (kW): oil 9,100
1987 kWh generated: 88,000
1987 kWh purchased: 16,714,000
1987 kWh sold: 13,086,000
1987 revenues: $959,000
established 1932

Galt, City of
Box 182
Galt, Mo. 64641
(816) 673-6514
Arnold Werteen, Superintendent
customers: 175
1987 kWh generated: 0
1987 kWh purchased: 2,598,400
1987 kWh sold: 2,353,102
1987 revenues: $146,000

Gilman City, City of
Gilman City, Mo. 64642
(816) 876-5230
Larry Hyre, Superintendent
customers: 200
1987 kWh generated: 0
1987 kWh purchased: 1,894,400
1987 kWh sold: 1,588,224
1987 revenues: $124,000

Hannibal, City of*
City Hall, 324 Broadway
Hannibal, Mo. 63401
(314) 221-8050
Owen Ransdell, Superintendent
customers: 8,425
nameplate capacity (kW): coal 35,000
1987 kWh generated: 0
1987 kWh purchased: 160,884,000
1987 kWh sold: 148,846,271
1987 revenues: $9,217,000
established 1886

Harrisonville, City of
300 E. Pearl St.
Harrisonville, Mo. 64701
(816) 884-3285
Damon Bartles, Director of Public Works
customers: 3,345
nameplate capacity (kW): oil 15,200
1987 kWh generated: 0
1987 kWh purchased: 57,718,000
1987 kWh sold: 50,393,491
1987 revenues: $2,977,000
established 1929

Hermann, City of*
312 Schiller St.
Hermann, Mo. 65041
(314) 486-5953
Brad Lampkin, Light & Power Superintendent
customers: 1,490
1987 kWh generated: 0
1987 kWh purchased: 35,245,000
1987 kWh sold: 29,241,218
1987 revenues: $1,533,000
established 1953

Higginsville, City of†*
1922 Main St.
Higginsville, Mo. 64037
(816) 584-2106
Russell Ellis, Superintendent
customers: 2,213
nameplate capacity (kW): oil 4,900
1987 kWh generated: 1,970,700
1987 kWh purchased: 38,915,800
1987 kWh sold: 37,280,982
1987 revenues: $2,718,000
established 1904

Houston, City of
111 W. Main St.
Houston, Mo. 65483
(417) 967-3187
Stan Kasiske, Administrator
customers: 1,167
1987 kWh generated: 0
1987 kWh purchased: 27,417,600
1987 kWh sold: 25,929,170
1987 revenues: $1,536,000
established 1951

Hunnewell, City of
Box 142
Hunnewell, Mo. 63443
(314) 983-2474
Devan Porter, Mayor
customers: 117
1987 kWh generated: 0
1987 kWh purchased: 864,000
1987 kWh sold: 682,000
1987 revenues: $62,000
established 1915

Independence, City of*
21500 E. Truman Road
Independence, Mo. 64050
(816) 836-8300
P. F. Banks, Utility Director
customers: 46,231
nameplate capacity (kW): oil 96,900; gas 80,600; coal 148,222
1987 kWh generated: 391,767,000
1987 kWh purchased: 346,445,000
1987 kWh sold: 704,529,213
1987 revenues: $47,156,000
established 1901

Jackson, City of*
225 S. High St.
Jackson, Mo. 63755
(314) 243-3536
Carl L. Talley, City Administrator
customers: 4,977
nameplate capacity (kW): oil 22,300
1987 kWh generated: 11,084,520
1987 kWh purchased: 70,841,200
1987 kWh sold: 75,163,450
1987 revenues: $4,603,000
established 1905

Kahoka, City of
275 N. Washington St.
Kahoka, Mo. 63445
(816) 727-2512
Gary L. Noble,
customers: 1,104
nameplate capacity (kW): oil 984; gas 3,300
1987 kWh generated: 3,256,900
1987 kWh purchased: 11,294,400
1987 kWh sold: 12,410,781
1987 revenues: $789,406

Kennett, City of*
200 Kennett St.
Kennett, Mo. 63857
(314) 888-2835
Larry V. Jones, Superintendent
customers: 4,923
nameplate capacity (kW): oil 3,056; gas 28,850
1987 kWh generated: 0
1987 kWh purchased: 119,587,850
1987 kWh sold: 112,428,725
1987 revenues: $4,043,000
established 1942

Kirkwood, City of
212 S. Taylor Ave.
Kirkwood, Mo. 63122
(314) 822-5842
Bob Carter, Superintendent
customers: 9,972
1987 kWh generated: 0
1987 kWh purchased: 166,571,000
1987 kWh sold: 157,083,644
1987 revenues: $11,279,000
established 1900

La Plata, City of
101 S. Gex St.
La Plata, Mo. 63549
(816) 332-7212
Richard Crawford, Superintendent
customers: 746
nameplate capacity (kW): oil 1,800
1987 kWh generated: 41,250
1987 kWh purchased: 24,960,153
1987 kWh sold: 23,695,423
1987 revenues: $1,242,000
established 1938

Lamar, City of*
1104 Broadway St.
Lamar, Mo. 64759
(417) 682-5554
J. A. Roberts, City Administrator
customers: 2,213
1987 kWh generated: 0
1987 kWh purchased: 55,159,000
1987 kWh sold: 52,621,859
1987 revenues: $1,653,000
established 1900

Lebanon, City of
400 S. Madison St.
Lebanon, Mo. 65536
(417) 532-2156
Bill Lawson, Superintendent
customers: 4,412
1987 kWh generated: 0
1987 kWh purchased: 132,272,000
1987 kWh sold: 110,659,159
1987 revenues: $6,129,000

Liberal, City of
Box 67
Liberal, Mo. 64762
(417) 843-6025
Neil M. Mooney, City Administrator
customers: 400
1987 kWh generated: 0
1987 kWh purchased: 4,492,000
1987 kWh sold: 4,167,000
1987 revenues: $283,000
established 1935

Linneus, City of
Box 144
Linneus, Mo. 64653
(816) 895-5583
Danny Truitt, Superintendent
customers: 208
1987 kWh generated: 0
1987 kWh purchased: 1,962,000
1987 kWh sold: 1,719,181
1987 revenues: $134,000

Lockwood Water & Light Co.
107 E. Eighth St., Box O
Lockwood, Mo. 65682
(417) 232-4221
Hubert Litle, City Superintendent
customers: 535
1987 kWh generated: 0
1987 kWh purchased: 8,182,400
1987 kWh sold: 6,952,864
1987 revenues: $400,000

Macon, City of†*
121-123 W. Bourke St., Box 569
Macon, Mo. 63552
(816) 385-3173
Paul E. Jensen, Superintendent
customers: 2,933
nameplate capacity (kW): oil 12,750
1987 kWh generated: 3,449,750
1987 kWh purchased: 67,665,650
1987 kWh sold: 66,687,819
1987 revenues: $3,605,000
established 1890

Malden, City of†*
110 W. Main St.
Malden, Mo. 63863
(314) 276-2238
Joe Russell, General Manager
customers: 2,585
nameplate capacity (kW): gas 13,950
1987 kWh generated: 1,084,935
1987 kWh purchased: 63,221,844
1987 kWh sold: 53,595,423
1987 revenues: $2,956,000
established 1896

Mansfield, City of
City Hall
Mansfield, Mo. 65704
(417) 924-3719
Kenneth Cowell, City Superintendent
customers: 675
1987 kWh generated: 0
1987 kWh purchased: 24,125,000
1987 kWh sold: 23,792,000
1987 revenues: $1,177,000
established 1963

Marceline Municipal Utilities
116 N. Kansas Ave.
Marceline, Mo. 64658
(816) 376-3528
Lanny Holt, Superintendent
customers: 1,500
nameplate capacity (kW): oil 11,000
1987 kWh generated: 25,418,124
1987 kWh purchased: 0
1987 kWh sold: 24,828,282
1987 revenues: $1,503,000

Marshall, City of*
74 E. Arrow St.
Marshall, Mo. 65340
(816) 886-6966
Mike Herron, General Manager
customers: 5,689
nameplate capacity (kW): oil 15,200; gas 27,000; coal 4,000
1987 kWh generated: 63,502,073
1987 kWh purchased: 87,621,969
1987 kWh sold: 143,454,872
1987 revenues: $9,798,000
established 1920

Meadville, City of
Box 122
Meadville, Mo. 64659
(816) 938-4414
Bobby J. Holcer, Clerk
customers: 236
1987 kWh generated: 0
1987 kWh purchased: 2,408,400
1987 kWh sold: 2,119,305
1987 revenues: $180,000

Memphis, City of*
135 S. Main St.
Memphis, Mo. 63555
(816) 465-2003
Paul C. Luscombe, Superintendent
customers: 1,333
nameplate capacity (kW): oil 3,071; gas 3,405
1987 kWh generated: 500,200
1987 kWh purchased: 14,287,960
1987 kWh sold: 13,670,195
1987 revenues: $1,034,000
established 1919

Milan, City of
201 N. Market St.
Milan, Mo. 63556
(816) 265-4411
Edward Sayre, Superintendent
customers: 938
1987 kWh generated: 0
1987 kWh purchased: 21,337,200
1987 kWh sold: 19,733,092
1987 revenues: $1,098,000

Mindenmines, City of
508 N. Main St., Box 115
Mindenmines, Mo. 64769
(417) 842-3216
John Waring, Superintendent
customers: 158
1987 kWh generated: 0
1987 kWh purchased: 1,673,300
1987 kWh sold: 1,414,006
1987 revenues: $108,000
established 1922

Monett, City of*
217 Fifth St.
Monett, Mo. 65708
(417) 235-3300
Lessley Shelton, Superintendent
customers: 3,573
1987 kWh generated: 0
1987 kWh purchased: 111,849,600
1987 kWh sold: 107,155,529
1987 revenues: $5,493,000
established 1893

Monroe City, City of
300 N. Main St., Box 67
Monroe City, Mo. 63456
(314) 735-4441
Art Buckwalter, Superintendent
customers: 1,325
nameplate capacity (kW): oil 8,895; gas 6,616; coal 93,879
1987 kWh generated: 2,590,675
1987 kWh purchased: 35,770,800
1987 kWh sold: 35,032,000
1987 revenues: $1,677,000
established 1902

Mount Vernon, City of
319 E. Dallas, Box 70
Mount Vernon, Mo. 65712
(417) 466-2122
Jack Swearingen, General Superintendent
customers: 1,670
1987 kWh generated: 0
1987 kWh purchased: 37,512,000
1987 kWh sold: 31,597,982
1987 revenues: $1,472,000
established 1938

Mountain View, City of
149 E. 2nd St.
Mountain View, Mo. 65548
(417) 934-2601
Robert Young, City Superintendent
customers: 989
1987 kWh generated: 0
1987 kWh purchased: 24,747,200
1987 kWh sold: 22,930,200
1987 revenues: $1,343,000

New Madrid, City of*
560 Mott St., Box 96
New Madrid, Mo. 63869
(314) 748-2458
Donald G. Lloyd, City Administrator
customers: 1,538
nameplate capacity (kW): oil 4,800
1987 kWh generated: 0
1987 kWh purchased: 32,915,219
1987 kWh sold: 29,361,856
1987 revenues: $1,128,000
established 1938

Newburg, City of
Second & Main Sts.
Newburg, Mo. 65550
(314) 762-2315
Barbara Macormic, Clerk
customers: 320
1987 kWh generated: 0
1987 kWh purchased: 3,895,600
1987 kWh sold: 2,919,290
1987 revenues: $235,000

Nixa, City of
106 E. Mount Vernon
Nixa, Mo. 65714
(417) 725-3785
Paul Frederick, Mayor
customers: 1,703
1987 kWh generated: 0
1987 kWh purchased: 25,663,663
1987 kWh sold: 24,095,494
1987 revenues: $834,000
established 1967

Odessa, City of
Ninth and Dryden St., Box 128
Odessa, Mo. 64076
(816) 633-4232
Lee Barker, Superintendent
customers: 1,525
nameplate capacity (kW): oil 8,745
1987 kWh generated: 4,272,600
1987 kWh purchased: 26,356,800
1987 kWh sold: 27,007,996
1987 revenues: $1,970,000
established 1939

Osceola, City of
Second and Walnut St., Box 321
Osceola, Mo. 64776
(417) 646-8421
J. Hartley, President
customers: 461
1987 kWh generated: 0
1987 kWh purchased: 5,350,800
1987 kWh sold: 4,780,968
1987 revenues: $291,000
established 1971

Owensville, City of
109 N. Second St.
Owensville, Mo. 65066
(314) 437-2514
Roy Bizzle, Superintendent
customers: 1,696
nameplate capacity (kW): oil 3,475
1987 kWh generated: 386,100
1987 kWh purchased: 23,042,400
1987 kWh sold: 19,168,120
1987 revenues: $1,329,000
established 1938

Palmyra, City of*
301 S. Main St.
Palmyra, Mo. 63461
(314) 769-3329
William D. Huffman, Superintendent
customers: 1,736
nameplate capacity (kW): oil 10,390
1987 kWh generated: 1,458,937
1987 kWh purchased: 21,439,430
1987 kWh sold: 21,830,196
1987 revenues: $1,578,000
established 1912

Paris, City of
124 W. Campbell
Paris, Mo. 65275
(816) 327-4334
Richard Stone, Electric Superintendent
customers: 815
1987 kWh generated: 0
1987 kWh purchased: 11,692,000
1987 kWh sold: 10,034,693
1987 revenues: $781,000

Pattonsburg, City of
Box 206
Pattonsburg, Mo. 64670
(816) 367-4412
Billy Fleming, Superintendent
customers: 264
nameplate capacity (kW): oil 796
1987 kWh generated: 0
1987 kWh purchased: 3,201,600
1987 kWh sold: 2,369,736
1987 revenues: $146,000
established 1934

Perry, City of
127 E. Main St., Box 80
Perry, Mo. 63462
(314) 565-3131
Charles K. Forbis, Superintendent
customers: 415
1987 kWh generated: 0
1987 kWh purchased: 5,301,000
1987 kWh sold: 4,687,967
1987 revenues: $355,000

Pleasant Hill Utilities*
203 Paul St.
Pleasant Hill, Mo. 64080
(816) 987-3153
Jerry Barbarick, Superintendent
customers: 1,740
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1939

Poplar Bluff, City of*
301 S. Main St
Poplar Bluff, Mo. 63901
(314) 785-5749
James D. Pierce, Manager
customers: 8,228
nameplate capacity: unavailable
1987 kWh generated: 248,380
1987 kWh purchased: 203,787,000
1987 kWh sold: 190,211,613
1987 revenues: $7,654,000
established 1917

Rich Hill, City of
Seventh and Walnut Sts.
Rich Hill, Mo. 64779
(417) 395-4211
Joy DeTienne, Electric Superintendent
customers: 625
1987 kWh generated: 0
1987 kWh purchased: 6,576,000
1987 kWh sold: 5,674,148
1987 revenues: $450,000

Richland, City of
Box 798
Richland, Mo. 65556
(314) 765-3532
Robert Starmer, Superintendent
customers: 1,093
1987 kWh generated: 0
1987 kWh purchased: 15,562,400
1987 kWh sold: 14,195,372
1987 revenues: $1,059,000
established 1946

Rock Port, City of
102 W. Clay St.
Rock Port, Mo. 64482
(816) 744-2676
Jimmie Hughes, Superintendent
customers: 825
nameplate capacity (kW): oil 900; gas 5,002
1987 kWh generated: 1,985,000
1987 kWh purchased: 11,275,900
1987 kWh sold: 11,357,200
1987 revenues: $788,000
established 1932

Rolla, City of
102 W. Ninth St., Box 767
Rolla, Mo. 65401
(314) 364-1572
James W. Banse, General Manager
customers: 6,153
1987 kWh generated: 0
1987 kWh purchased: 180,072,000
1987 kWh sold: 167,127,547
1987 revenues: $9,288,000
established 1945

St. James, City of
105 N. Bourbeuse St.
St. James, Mo. 65559
(314) 265-7011
Kenneth Young, Superintendent
customers: 1,664
1987 kWh generated: 0
1987 kWh purchased: 29,209,264
1987 kWh sold: 25,720,334
1987 revenues: $1,696,000

St. Robert, City of
Drawer H
St. Robert, Mo. 65583
(314) 336-3911
Jack Fincher, Superintendent
customers: 1,028
1987 kWh generated: 0
1987 kWh purchased: 26,236,846
1987 kWh sold: 23,057,812
1987 revenues: $1,164,000
established 1963

Salem, City of
Third and Grant Sts.
Salem, Mo. 65560
(314) 729-4117
Ray Lunsford, Superintendent
customers: 2,416
1987 kWh generated: 0
1987 kWh purchased: 39,946,000
1987 kWh sold: 38,502,000
1987 revenues: $2,136,000
established 1934

Salisbury, City of
128 W. Second St.
Salisbury, Mo. 65281
(816) 388-6197
David J. Millar, Superintendent
customers: 1,125
1987 kWh generated: 0
1987 kWh purchased: 17,661,592
1987 kWh sold: 14,669,237
1987 revenues: $1,251,000

Seymour, City of
Box 247
Seymour, Mo. 65746
(417) 935-4892
Patty Foxx, Clerk
customers: 702
1987 kWh generated: 0
1987 kWh purchased: 15,556,000
1987 kWh sold: 13,916,634
1987 revenues: $930,000

Shelbina, City of
127 W. Chestnut St.
Shelbina, Mo. 63468
(314) 588-2150
Dennie Fowler, City Superintendent
customers: 1,276
1987 kWh generated: 85,000
1987 kWh purchased: 19,928,050
1987 kWh sold: 16,240,220
1987 revenues: $1,121,000

Sikeston, City of*
138 N. Prairie
Sikeston, Mo. 63801
(314) 471-3328
E. R. Inman, Director
customers: 10,991
nameplate capacity (kW): oil 4,300; coal 235,000

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

1987 kWh generated: 908,672,000
1987 kWh purchased: 108,591,273
1987 kWh sold: 1,041,003,363
1987 revenues: $47,569,000
established 1931

Slater, City of
109 N. Main St.
Slater, Mo. 65349
(816) 529-2271
Kevin G. Kenzenkovil, City Manager
customers: 1,299
1987 kWh generated: 0
1987 kWh purchased: 12,974,659
1987 kWh sold: 12,569,904
1987 revenues: $952,000

Springfield, City of†*
301 E. Central St., Box 551
Springfield, Mo. 65801
(417) 831-8646
Robert E. Roundtree, General Manager
customers: 71,427
nameplate capacity (kW): oil 15,300; gas 114,000; coal 447,000
1987 kWh generated: 1,567,909,000
1987 kWh purchased: 530,131,000
1987 kWh sold: 2,044,438,029
1987 revenues: $79,280,000
established 1945

Stanberry, City of
First and Locust Sts.
Stanberry, Mo. 64489
(816) 783-2725
Leo E. Ginther, City Superintendent
customers: 752
nameplate capacity (kW): oil 950; gas 4,158
1987 kWh generated: 65,300
1987 kWh purchased: 9,289,323
1987 kWh sold: 8,247,588
1987 revenues: $558,000
established 1937

Steelville, City of
103 Brickey, Box M
Steelville, Mo. 65565
(314) 775-2815
James A. Taylor, City Superintendent
customers: 875
1987 kWh generated: 0
1987 kWh purchased: 15,267,000
1987 kWh sold: 13,332,000
1987 revenues: $818,000

Sullivan, City of
210 W. Washington
Sullivan, Mo. 63080
(314) 468-4612
Joseph Thurmond, Light Commissioner
customers: 2,666
1987 kWh generated: 0
1987 kWh purchased: 64,372,800
1987 kWh sold: 60,491,744
1987 revenues: $3,388,000
established 1942

Thayer, City of
Second and Market Sts.
Thayer, Mo. 65791
(417) 264-3921
Ira Goans, Superintendent
customers: 941
1987 kWh generated: 0
1987 kWh purchased: 14,013,370
1987 kWh sold: 11,178,574
1987 revenues: $829,000

Trenton, City of*
115 E. Tenth St.
Trenton, Mo. 64683
(816) 359-2281
Gary Whorton, Superintendent
customers: 3,175
nameplate capacity (kW): oil 19,950
1987 kWh generated: 2,417,100
1987 kWh purchased: 62,166,000
1987 kWh sold: 60,223,922
1987 revenues: $3,563,000
established 1937

Unionville, City of*
1611 Grant St.
Unionville, Mo. 63565
(816) 947-2168
Dennie Sheehan, Superintendent
customers: 1,216
nameplate capacity (kW): oil 7,056
1987 kWh generated: 184,680
1987 kWh purchased: 13,803,174
1987 kWh sold: 12,868,556
1987 revenues: $769,000
established 1921

University of Missouri-Columbia Power Plant
General Services Building
Columbia, Mo. 65211
(314) 882-2661
Alan R. Warden, Director
customers: 300
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1923

Vandalia, City of*
202 E. Park St.
Vandalia, Mo. 63382
(314) 594-3302
James E. Millard, Superintendent
customers: 1,464
nameplate capacity (kW): oil 600; gas 7,980
1987 kWh generated: 819,200
1987 kWh purchased: 15,856,000
1987 kWh sold: 15,372,707
1987 revenues: $1,537,000
established 1938

Waynesville, City of
201 North St.
Waynesville, Mo. 65583
(314) 774-6823
John T. Tinsley, City Administrator
customers: 1,444
1987 kWh generated: 0
1987 kWh purchased: 23,450,400
1987 kWh sold: 21,340,270
1987 revenues: $1,292,000
established 1963

West Plains, City of
1910 Holiday Lane
West Plains, Mo. 65775
(417) 256-7176
Jim Davidson, Power Coordinator
customers: 4,597
1987 kWh generated: 0
1987 kWh purchased: 107,400,000
1987 kWh sold: 94,700,000
1987 revenues: $5,580,000
established 1908

Winona, City of
Box 426
Winona, Mo. 65588
(314) 325-4443
Sharon K. Davis, Clerk
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

MONTANA

Flathead Power Division, U.S. Bureau of Indian Affairs
Box 890
Polson, Mont. 59860
(406) 893-5361
Joseph T. Nelson Jr., Superintendent
customers: 14,455
nameplate capacity: unavailable
1987 kWh generated: 575,641
1987 kWh purchased: 248,556,611
1987 kWh sold: 224,564,046
1987 revenues: $8,728,000

Troy Power & Light
Box 823
Troy, Mont. 59935
(406) 295-4540
John Bramlet, Power Manager
customers: 750
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1987

NEBRASKA

Alliance, City of†*
324 Laramie Ave., Box D
Alliance, Neb. 69301
(308) 762-5400
Dick Bacon, Electrical Superintendent
customers: 6,008
nameplate capacity (kW): gas 16,500
1987 kWh generated: 0
1987 kWh purchased: 93,661,682
1987 kWh sold: 87,247,209
1987 revenues: $5,400,000
established 1916

Ansley, City of
Box 327
Ansley, Neb. 68814
(308) 935-2181
Richard Amsberry, Utility Superintendent
customers: 305
nameplate capacity (kW): oil 245; gas 1,540
1987 kWh generated: 1,300
1987 kWh purchased: 3,170,847
1987 kWh sold: 3,130,087
1987 revenues: $189,000
established 1914

Arapahoe, City of
Box 235
Arapahoe, Neb. 68922-0235
(308) 962-7414
Wesley Smith, Superintendent
customers: 612
1987 kWh generated: 0
1987 kWh purchased: 7,814,992
1987 kWh sold: 7,266,594
1987 revenues: $554,000
established 1921

Arnold, Village of†
209 W. First St.
Arnold, Neb. 69120
(308) 848-2228
Michael Lucas, Director of Utilities
customers: 604
nameplate capacity (kW): oil 1,060
1987 kWh generated: 0
1987 kWh purchased: 6,604,640
1987 kWh sold: 5,791,797
1987 revenues: $277,000
established 1935

Auburn, City of†*
1600 O St.
Auburn, Neb. 68305
(402) 274-4981
Lambert Blecha, General Manager
customers: 2,626
1987 kWh generated: 0
1987 kWh purchased: 44,603,993
1987 kWh sold: 41,083,175
1987 revenues: $2,142,000
established 1939

Bartley, Village of
301 W. Walnut
Bartley, Neb. 69020
(308) 692-3213
Melvin Meguire, Superintendent
customers: 205
1987 kWh generated: 0
1987 kWh purchased: 1,717,500
1987 kWh sold: 1,545,000
1987 revenues: $133,000
established 1925

Battle Creek, City of
101 E. Main St.
Battle Creek, Neb. 68715
(402) 675-2165
Martin Volquardson, Utilities Superintendent
customers: 579
1987 kWh generated: 0
1987 kWh purchased: 9,039,048
1987 kWh sold: 7,474,760
1987 revenues: $460,000
established 1948

Bayard, City of†
445 Main St., Box 160
Bayard, Neb. 69334
(308) 586-1121
L. G. Sanchez, Superintendent
customers: 590
1987 kWh generated: 0
1987 kWh purchased: 15,732,000
1987 kWh sold: 13,872,000
1987 revenues: $535,000

Beatrice, City of
205 N. Fourth St., Box 279
Beatrice, Neb. 68310
(402) 223-5211
James Bauer, General Manager
customers: 6,578
1987 kWh generated: 0
1987 kWh purchased: 110,843,000
1987 kWh sold: 99,647,000
1987 revenues: $5,102,000
established 1947

Beaver City Light Plant†
Box 185
Beaver City, Neb. 68926
(308) 268-2125
Farrel Bates, Superintendent
customers: 475
nameplate capacity (kW): oil 800; gas 1,260
1987 kWh generated: not available
1987 kWh purchased: not available

1987 kWh sold: not available
1987 revenues: not available
established 1912

Benkelman, City of
126 Seventh Ave. E.
Benkelman, Neb. 69021
(308) 423-2540
Wilmer Seybold, City Superintendent
customers: 672
nameplate capacity (kW): oil 900
1987 kWh generated: 0
1987 kWh purchased: 9,063,000
1987 kWh sold: 8,055,432
1987 revenues: $582,000

Blue Hill, City of†
Box 277
Blue Hill, Neb. 68930
(402) 756-3771
Gary Stertz, Superintendent
customers: 386
nameplate capacity (kW): oil 2,248
1987 kWh generated: 0
1987 kWh purchased: 6,074,098
1987 kWh sold: 5,109,578
1987 revenues: $243,000
established 1910

Bradshaw, Village of
430 Lincoln St.
Bradshaw, Neb. 68319
(402) 736-4634
Jack Bumgardner, Utility Superintendent
customers: 195
1987 kWh generated: 0
1987 kWh purchased: 2,212,363
1987 kWh sold: 1,794,183
1987 revenues: $134,000

Brainard, Village of
Box 127
Brainard, Neb. 68626
(402) 545-2701
Raymond Stolze, Superintendent
customers: 200
1987 kWh generated: 0
1987 kWh purchased: 2,965,444
1987 kWh sold: 2,422,066
1987 revenues: $161,000

Bridgeport, City of
809 Main St.
Bridgeport, Neb. 69336
(308) 262-0617
Charles E. Brandt Jr., Superintendent
customers: 911
1987 kWh generated: 0
1987 kWh purchased: 11,969,304
1987 kWh sold: 10,986,575
1987 revenues: $468,000
established 1950

Broken Bow, City of†
314 S. Tenth Ave.
Broken Bow, Neb. 68822
(308) 872-6884
Laverne H. Martens, Superintendent
customers: 2,275
nameplate capacity (kW): oil 500; gas 8,200
1987 kWh generated: 378,800
1987 kWh purchased: 38,785,220
1987 kWh sold: 36,952,037
1987 revenues: $1,611,000
established 1915

Burt County Public Power District
613 N. 13th St., Box 209
Tekamah, Neb. 68061
(402) 374-2631
Raymond Carlson, General Manager
customers: 3,828
1987 kWh generated: 0
1987 kWh purchased: 82,071,000
1987 kWh sold: 73,540,000
1987 revenues: $4,374,000
established 1935

Burwell, City of†
Box 604
Burwell, Neb. 68823
(305) 346-4898
David E. Cox, Electric Utility Foreman
customers: 724
nameplate capacity (kW): oil 960; gas 4,800
1987 kWh generated: 0
1987 kWh purchased: 8,472,128
1987 kWh sold: 8,191,459
1987 revenues: $471,000
established 1918

Butler County Rural Public Power District
1331 Fourth St., Box 349
David City, Neb. 68632
(402) 367-3081
Richard S. Polak, Manager
customers: 3,878
1987 kWh generated: 0
1987 kWh purchased: 66,608,000
1987 kWh sold: 60,733,000
1987 revenues: $3,785,000
established 1937

Callaway, Village of†
Box 157
Callaway, Neb. 68825
(308) 836-2262
Larry Nelson, Superintendent
customers: 355
nameplate capacity (kW): oil 900
1987 kWh generated: 3,200
1987 kWh purchased: 5,281,356
1987 kWh sold: 4,620,840
1987 revenues: $166,000
established 1912

Cambridge, City of
321 Nelson
Cambridge, Neb. 69022
(308) 697-3713
Kenneth Fichtner, Superintendent
customers: 610
nameplate capacity (kW): oil 3,315; nuclear 27,014
1987 kWh generated: 0
1987 kWh purchased: 8,472,968
1987 kWh sold: 7,203,888
1987 revenues: $428,000
established 1909

Campbell, Village of
Box 215
Campbell, Neb. 68932
(402) 756-8111
Greg L'Heureux, Superintendent
customers: 253
nameplate capacity (kW): oil 1,240
1987 kWh generated: 20,000
1987 kWh purchased: 2,757,832
1987 kWh sold: 2,437,518
1987 revenues: $165,000
established 1910

Cedar-Knox Public Power District
Box 397
Hartington, Neb. 68739
(402) 254-6291
Jerome B. Litz, Manager
customers: 4,221
1987 kWh generated: 0
1987 kWh purchased: 93,831,000
1987 kWh sold: 85,840,000
1987 revenues: $4,399,000
established 1937

Central City, City of
Box 418
Central City, Neb. 68826
(308) 946-2771
Jack Merrill, Superintendent
customers: 1,560
1987 kWh generated: 0
1987 kWh purchased: 23,540,922
1987 kWh sold: 20,340,442
1987 revenues: $1,270,000
established 1909

Central Nebraska Public Power & Irrigation District†*
415 Lincoln St., Box 356
Holdrege, Neb. 68949
(308) 995-8601
Frank J. Dragoun, General Manager
customers: wholesale only
nameplate capacity (kW): gas 108,800; hydro 104,000
1987 kWh generated: 484,722,263
1987 kWh purchased: 0
1987 kWh sold: 484,722,263
1987 revenues: $8,090,000
established 1933

Chappell, City of†*
757 Second St.
Chappell, Neb. 69129
(308) 874-2401
Gordon Adkins, Superintendent
customers: 680
nameplate capacity (kW): oil 2,495
1987 kWh generated: 9,610
1987 kWh purchased: 9,648,000
1987 kWh sold: 8,331,000
1987 revenues: $421,000
established 1911

Chester, Village of
621 Thayer Ave., Box 335
Chester, Neb. 68327
(402) 324-5755
Maurice Mitchell, Board Chairman
customers: 246
1987 kWh generated: 0
1987 kWh purchased: 2,797,863
1987 kWh sold: 2,307,036
1987 revenues: $233,000
established 1920

Chimney Rock Public Power District
805 W. Eighth St., Box 608
Bayard, Neb. 69334
(308) 586-1824
James Reiber, Manager
customers: 2,080
1987 kWh generated: 0
1987 kWh purchased: 34,571,375
1987 kWh sold: 31,048,220
1987 revenues: $2,261,000
established 1936

Clarkson, City of
126 W. Second St., Box 18
Clarkson, Neb. 68625
(402) 892-3100
Fred J. Wacha, Mayor
customers: 406
1987 kWh generated: 0
1987 kWh purchased: 6,812,400
1987 kWh sold: 5,948,450
1987 revenues: $330,000
established 1925

Cornhusker Public Power District
N.W. U.S. Highway 81, Box 9
Columbus, Neb. 68601
(402) 564-2821
Norman L. Hoge, General Manager
customers: 7,201
1987 kWh generated: 0
1987 kWh purchased: 178,927,360
1987 kWh sold: 163,012,535
1987 revenues: $9,394,000
established 1942

Cozad, City of
208 W. Eighth St.
Cozad, Neb. 69130
(308) 784-3939
Lloyd Keller, Light Commisioner
customers: 1,926
nameplate capacity (kW): oil 1,000
1987 kWh generated: 0
1987 kWh purchased: 52,367,510
1987 kWh sold: 48,026,680
1987 revenues: $2,402,000
established 1939

Crete, City of†*
241 E. 13th St., City Hall
Crete, Neb. 68333-0086
(402) 826-4311
George G. Beyer, Utilities Manager
customers: 2,181
nameplate capacity (kW): oil 412; gas 15,265
1987 kWh generated: 1,194,500
1987 kWh purchased: 82,534,035
1987 kWh sold: 80,099,444
1987 revenues: $3,086,000
established 1887

Cuming County Public Power District
500 S. Main St.
West Point, Neb. 68788
(402) 372-2463
Cecil Woodka, Manager
customers: 2,640
1987 kWh generated: 0
1987 kWh purchased: 79,762,255
1987 kWh sold: 74,554,579
1987 revenues: $4,343,000
established 1935

Curtis, City of†
310 Center Ave., Box 6
Curtis, Neb. 69025
(308) 367-4122
Roy L. Cole, Administrator/Clerk/Treasurer
customers: 716
nameplate capacity (kW): oil 1,100; gas 2,700
1987 kWh generated: 0
1987 kWh purchased: 9,887,154
1987 kWh sold: 8,152,596
1987 revenues: $564,000
established 1913

Custer Public Power District
625 E. South E
Broken Bow, Neb. 68822
(308) 872-2451
Allan B. Cooper Jr., Manager
customers: 8,226
1987 kWh generated: 0
1987 kWh purchased: 119,152,000
1987 kWh sold: 108,373,618
1987 revenues: $6,798,000
established 1944

Dakota City, City of
Box 482
Dakota City, Neb. 68731
(402) 987-3448
Carolyn Burns, City Administrator
customers: 517

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

1987 kWh generated: 0
1987 kWh purchased: 9,591,516
1987 kWh sold: 7,960,956
1987 revenues: $518,000
established 1910

Davenport, Village of
Second St., Box 119
Davenport, Neb. 68335
(402) 364-2296
Pete Mesloh, Superintendent
customers: 250
1987 kWh generated: 0
1987 kWh purchased: 3,523,251
1987 kWh sold: 2,978,143
1987 revenues: $203,000

David City, City of†*
402 Fifth St.
David City, Neb. 68632
(402) 367-3135
Gene Grubaugh, Superintendent
customers: 1,303
1987 kWh generated: 0
1987 kWh purchased: 23,895,401
1987 kWh sold: 21,078,406
1987 revenues: $1,254,000
established 1913

Dawson County Public Power District
300 S. Washington
Lexington, Neb. 68850
(308) 342-2386
Philip Darby Jr., Manager
customers: 14,936
1987 kWh generated: 0
1987 kWh purchased: 241,024,995
1987 kWh sold: 217,272,244
1987 revenues: $12,817,000
established 1937

De Witt, Village of
Box 208
De Witt, Neb. 68341
(402) 683-5025
Charles M. McDougall, Superintendent
customers: 317
1987 kWh generated: 0
1987 kWh purchased: 14,579,560
1987 kWh sold: 13,620,123
1987 revenues: $702,000

Decatur, Village of
Box 156
Decatur, Neb. 68020
(402) 349-5360
Peggy A. Davis, Clerk
customers: 703
1987 kWh generated: 0
1987 kWh purchased: 4,388,416
1987 kWh sold: 4,369,997
1987 revenues: $438,000

Deshler, City of
311 Alice St.
Deshler, Neb. 68340
(402) 356-4260
Roger Dondlinger, Superintendent
customers: 489
1987 kWh generated: 0
1987 kWh purchased: 5,585,934
1987 kWh sold: 6,856,314
1987 revenues: $408,000
established 1931

Dorchester, Village of
701 Washington Ave., Box 287
Dorchester, Neb. 68343
(402) 946-3201
Edward Dvorak, Superintendent
customers: 261
1987 kWh generated: 0
1987 kWh purchased: 3,050,128
1987 kWh sold: 2,976,468
1987 revenues: $200,000

Douglas, Village of
Douglas, Neb. 68344
(402) 799-2330
Ken Gee, Superintendent
customers: 200
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1926

Edgar Light & Water Department†*
Box 485
Edgar, Neb. 68935
(402) 224-5145
Nelson M. Hamblin, Superintendent
customers: 381
1987 kWh generated: 0
1987 kWh purchased: 5,226,491
1987 kWh sold: 4,808,372
1987 revenues: $296,113

Elk Creek, Village of
Box 125
Elk Creek, Neb. 68348
(402) 874-2430
Philip Hall, Clerk
customers: 93
1987 kWh generated: 0
1987 kWh purchased: 1,137,150
1987 kWh sold: 1,011,667
1987 revenues: $55,000

Elkhorn Rural Public Power District
Box 310
Battle Creek, Neb. 68715
(402) 675-2185
Milton Smith, General Manager
customers: 6,268
1987 kWh generated: 0
1987 kWh purchased: 117,537,298
1987 kWh sold: 107,642,745
1987 revenues: $6,678,000
established 1939

Emerson, City of
Box 339
Emerson, Neb. 68733
(402) 695-2554
David Gradert, Electrical Superintendent
customers: 422
nameplate capacity (kW): oil 148; gas 3,690
1987 kWh generated: 548,900
1987 kWh purchased: 4,524,350
1987 kWh sold: 4,565,083
1987 revenues: $326,000
established 1912

Endicott, Village of
Endicott, Neb. 68350
(402) 729-3404
Clyde Kellie, Clerk
customers: 80
1987 kWh generated: 0
1987 kWh purchased: 625,000
1987 kWh sold: 600,000
1987 revenues: $33,000

Fairbury, City of†
612 D St.
Fairbury, Neb. 68352
(402) 729-3030
Edward Brandt, Superintendent
customers: 3,945
nameplate capacity (kW): gas 21,000
1987 kWh generated: 279,300
1987 kWh purchased: 58,726,560
1987 kWh sold: 53,161,078
1987 revenues: $2,670,000
established 1910

Fairmont, City of
Box 156
Fairmont, Neb. 68354
(402) 268-3341
Robert R. Benorden, Utilities Superintendent
customers: 315
1987 kWh generated: 0
1987 kWh purchased: 4,922,313
1987 kWh sold: 4,922,313
1987 revenues: $251,000

Falls City, City of†
1820 Towle St.
Falls City, Neb. 68355
(402) 245-2724
Larry Merz, Public Works Director
customers: 2,783
nameplate capacity (kW): oil 1,657; gas 20,625
1987 kWh generated: 723,400
1987 kWh purchased: 44,048,029
1987 kWh sold: 40,337,014
1987 revenues: $2,012,000
established 1890

Filley Utilities
Box 85
Filley, Neb. 68357
(402) 662-3555
David Norten, Light Commissioner
customers: 102
1987 kWh generated: 0
1987 kWh purchased: 1,000,010
1987 kWh sold: 995,000
1987 revenues: $56,000

Franklin, City of
619 15th Ave.
Franklin, Neb. 68939
(308) 425-3326
Jerry Remaly, Superintendent
customers: 745
nameplate capacity (kW): gas 4,080
1987 kWh generated: 175,800
1987 kWh purchased: 8,222,103
1987 kWh sold: 7,961,516
1987 revenues: $530,000
established 1910

Franklin County Rural Public Power District
101 16th St.
Franklin, Neb. 68939
(308) 425-6217
Arnold C. Esplund, Manager
customers: 1,782
1987 kWh generated: 0
1987 kWh purchased: 20,243,049
1987 kWh sold: 17,834,989
1987 revenues: $1,355,000
established 1934

Fremont, City of†*
725 N. Park Ave.
Fremont, Neb. 68025
(402) 721-2490
Jon McCafferty, General Manager
customers: 12,163
nameplate capacity (kW): gas 129,000; coal 23,000
1987 kWh generated: 275,823,000
1987 kWh purchased: 25,828,000
1987 kWh sold: 260,415,000
1987 revenues: $12,630,000
established 1924

Friend, City of
235 Maple St.
Friend, Neb. 68359
(402) 947-2711
Norman D. Freeman, Superintendent
customers: 611
1987 kWh generated: 0
1987 kWh purchased: 7,989,000
1987 kWh sold: 7,546,000
1987 revenues: $457,000
established 1905

Gering, City of†*
1450 Tenth St.
Gering, Neb. 69341
(308) 436-5096
Bill Boyle, Electric Utility Director
customers: 3,350
1987 kWh generated: 0
1987 kWh purchased: 66,182,000
1987 kWh sold: 56,916,000
1987 revenues: $2,503,000
established 1934

Giltner, City of
Box 254
Giltner, Neb. 68841
(402) 849-2845
Perry Hosier, Utility Superintendent
customers: 194
1987 kWh generated: 0
1987 kWh purchased: 3,467,309
1987 kWh sold: 3,006,286
1987 revenues: $363,000

Gothenburg, City of
409 Ninth St.
Gothenburg, Neb. 69138
(308) 532-3668
Stan Hite, Electric Foreman
customers: 1,699
1987 kWh generated: 0
1987 kWh purchased: 35,730,862
1987 kWh sold: 32,251,277
1987 revenues: $1,264,000
established 1956

Grand Island, City of*
Box 1968
Grand Island, Neb. 68801
(308) 381-5487
Gary R. Mader, Director of Utility Operations
customers: 21,114
nameplate capacity (kW): gas 133,649; coal 109,800
1987 kWh generated: 244,466,006
1987 kWh purchased: 176,946,200
1987 kWh sold: 406,909,772
1987 revenues: $22,458,000
established 1905

Grant, City of†
346 Central Ave., Box 614
Grant, Neb. 69140
(308) 352-2100
John Mathes, City Superintendent
customers: 782
1987 kWh generated: 0
1987 kWh purchased: 12,434,488
1987 kWh sold: 12,214,988
1987 revenues: $733,000

Greenwood, Village of
Box 86
Greenwood, Neb. 68366
(402) 789-2300
Edward Koehler, Superintendent
customers: 245
1987 kWh generated: 0
1987 kWh purchased: 4,028,400
1987 kWh sold: 3,716,851
1987 revenues: $264,000
established 1932

Hampton, Village of
Box 277
Hampton, Neb. 68843
(402) 725-3186
Robert Shockey, Superintendent
customers: 243
1987 kWh generated: 0
1987 kWh purchased: 3,249,795
1987 kWh sold: 2,877,069
1987 revenues: $192,000
established 1905

Hastings, City of*
1228 N. Denver Ave.
Hastings, Neb. 68901
(402) 463-1371
Marvin H. Schultes, Manager of Utilities
customers: 11,321
nameplate capacity (kW): oil 22,000; gas 51,000; coal 76,300
1987 kWh generated: 138,078,824
1987 kWh purchased: 77,221,603
1987 kWh sold: 202,594,910
1987 revenues: $12,056,000
established 1901

Hebron, City of
216 Lincoln Ave.
Hebron, Neb. 68370
(402) 768-6322
Lavon Boman, City Electrician
customers: 955
1987 kWh generated: 0
1987 kWh purchased: 13,518,609
1987 kWh sold: 11,863,421
1987 revenues: $814,000

Hemingford, City of
Box 395
Hemingford, Neb. 69348
(308) 487-3465
Jesus Gonzales, Superintendent
customers: 706
1987 kWh generated: 0
1987 kWh purchased: 6,938,686
1987 kWh sold: 6,498,333
1987 revenues: $371,000
established 1956

Hickman, City of
115 Locust, Box 127
Hickman, Neb. 68372
(402) 792-2210
Marilyn J. Fouraker, Mayor
customers: 427
1987 kWh generated: 0
1987 kWh purchased: 5,809,000
1987 kWh sold: 5,569,000
1987 revenues: $305,000

Hildreth, Village of
Box 217
Hildreth, Neb. 68947
(308) 938-2471
Dale Casper, Superintendent
customers: 220
1987 kWh generated: 0
1987 kWh purchased: 2,730,500
1987 kWh sold: 2,728,000
1987 revenues: $139,000

Holbrook Municipal Light Plant
Box 148
Holbrook, Neb. 68948
(308) 493-5653
Don Vonderfecht, Superintendent
customers: 185
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Holdrege, City of
Fifth and East Aves.
Holdrege, Neb. 68949
(308) 995-8681
Marvin Paulsen, Superintendent
customers: 3,002
nameplate capacity (kW): oil 2,434
1987 kWh generated: 0
1987 kWh purchased: 94,504,788
1987 kWh sold: 90,792,530
1987 revenues: $3,694,000
established 1919

Howard Greeley Rural Public Power District
422 Howard Ave., Box 105
St. Paul, Neb. 68873
(308) 754-4457
Dan McIntyre, Manager
customers: 3,023
1987 kWh generated: 0
1987 kWh purchased: 59,955,824
1987 kWh sold: 56,141,367
1987 revenues: $3,172,000
established 1938

Hubbell, City of
Box 42
Hubbell, Neb. 68375
(402) 324-4141
Gerald Van Winkle, Light Commissioner
customers: 64
1987 kWh generated: 0
1987 kWh purchased: 536,000
1987 kWh sold: 422,208
1987 revenues: $30,000

Imperial, City of
S. Broadway St.
Imperial, Neb. 69033
(308) 882-5151
Timothy T. Sutherland, Superintendent
customers: 1,094
nameplate capacity (kW): oil 600; hydro 100
1987 kWh generated: 0
1987 kWh purchased: 22,123,563
1987 kWh sold: 20,870,870
1987 revenues: $1,094,000

Indianola, City of
Main St.
Indianola, Neb. 69034
(308) 364-2413
Warren Young, Light Commissioner
customers: 372
1987 kWh generated: 0
1987 kWh purchased: 4,039,000
1987 kWh sold: 3,721,000
1987 revenues: $269,000

KBR Rural Public Power District
374 N. Pine St., Box 187
Ainsworth, Neb. 69210
(402) 387-1120
Rich Walters, Manager
customers: 3,037
1987 kWh generated: 0
1987 kWh purchased: 40,967,355
1987 kWh sold: 36,420,126
1987 revenues: $2,442,000
established 1950

Kimball, City of†*
223 S. Chestnut St.
Kimball, Neb. 69145
(308) 235-3639
Robert E. Arraj, City Administrator
customers: 1,897
nameplate capacity (kW): gas 9,400
1987 kWh generated: 126,000
1987 kWh purchased: 21,000,780
1987 kWh sold: 18,553,871
1987 revenues: $1,104,000
established 1912

Laurel, City of
101 W. Second St.
Laurel, Neb. 68745
(402) 256-3112
L. J. Mallatt, City Administrator
customers: 620
nameplate capacity (kW): gas 4,000
1987 kWh generated: 0
1987 kWh purchased: 7,673,200
1987 kWh sold: 6,947,300
1987 revenues: $384,000
established 1916

Leigh, Village of
Box 277
Leigh, Neb. 68643
(402) 487-3303
Randy Huisman, Maintenance Engineer
customers: 296
1987 kWh generated: 0
1987 kWh purchased: 4,332,000
1987 kWh sold: 3,554,770
1987 revenues: $236,000

Lexington, City of
406 E. Sixth St., Box 70
Lexington, Neb. 68850
(308) 324-2341
Pete Bishop, Electric Superintendent
customers: 3,281
1987 kWh generated: 0
1987 kWh purchased: 63,544,000
1987 kWh sold: 56,231,000
1987 revenues: $2,764,000
established 1945

Lincoln, City of†*
11th & O Sts., Box 80869
Lincoln, Neb. 68501
(402) 475-4211
Walter A. Canney, Administrator
customers: 86,622
nameplate capacity (kW): oil 65,500; gas 27,000; coal 72,732
1987 kWh generated: 1,258,996,000
1987 kWh purchased: 1,296,231,761
1987 kWh sold: 2,321,967,000
1987 revenues: $98,169,000
established 1913

Lodgepole, City of
Box 266
Lodgepole, Neb. 69944
(308) 483-5353
Ruth Dykman, Clerk
customers: 232
nameplate capacity (kW): oil 300
1987 kWh generated: 0
1987 kWh purchased: 1,802,134
1987 kWh sold: 1,785,663
1987 revenues: $134,000
established 1915

Loup River Public Power District†*
2404 Fifteen St.
Columbus, Neb. 68601
(402) 564-3171
Robert E. White, General Manager
customers: 15,663
nameplate capacity: unavailable
1987 kWh generated: 140,496,000
1987 kWh purchased: 492,241,000
1987 kWh sold: 606,036,000
1987 revenues: $24,078,000
established 1933

Loup Valley Rural Public Power District
312 S. 15th St., Box 166
Ord, Neb. 68862
(308) 728-3633
Kenneth W. Clement, Manager
customers: 3,544
1987 kWh generated: 0
1987 kWh purchased: 47,069,686
1987 kWh sold: 42,688,914
1987 revenues: $2,853,000
established 1946

Lyman, Village of†
414 Jeffers Ave.
Lyman, Neb. 69352
(308) 787-1444
Lea Anne Easton, Clerk/Treasurer
customers: 286
1987 kWh generated: 0
1987 kWh purchased: 7,959,565
1987 kWh sold: 4,207,809
1987 revenues: $256,000
established 1922

Lyons, City of
335 Main St.
Lyons, Neb. 68038
(402) 687-2003
Darlene M. Wiese, Clerk
customers: 635
1987 kWh generated: 0
1987 kWh purchased: 8,127,626
1987 kWh sold: 7,129,547
1987 revenues: $413,000
established 1915

Madison, City of
210 W. Third St., Box 527
Madison, Neb. 68748
(402) 454-3412
Darrell Dawson, Administrator
customers: 926
nameplate capacity: unavailable
1987 kWh generated: 90,900
1987 kWh purchased: 37,281,870
1987 kWh sold: 36,910,280
1987 revenues: $1,537,000

McCook Public Power District
North US 83 and Q St., Box 1147
McCook, Neb. 69001
(308) 345-2500
Douglas C. Mollet, Manager
customers: 4,581
1987 kWh generated: 0
1987 kWh purchased: 141,180,375
1987 kWh sold: 126,373,461
1987 revenues: $7,050,000
established 1935

Minden, City of
325 N. Colorado St.
Minden, Neb. 68959
(308) 832-1820
Thomas Kenney, City Administrator
customers: 1,501
1987 kWh generated: 0
1987 kWh purchased: 23,147,785
1987 kWh sold: 19,382,670
1987 revenues: $1,289,000

Mitchell, City of†
1444 12th Street
Mitchell, Neb. 69357
(308) 623-2133
Ty Abernethy, Superintendent
customers: 993
1987 kWh generated: 0
1987 kWh purchased: 18,773,373
1987 kWh sold: 17,380,685
1987 revenues: $753,000
established 1934

Morrill, Village of†*
114 S. Centre, Box 305
Morrill, Neb. 69358
(308) 247-2312
Robert D. Morton, Superintendent
customers: 849
1987 kWh generated: 0
1987 kWh purchased: 11,537,667
1987 kWh sold: 10,612,549
1987 revenues: $498,000
established 1900

Mullen, Village of†
Box 187
Mullen, Neb. 69152
(308) 546-2625
Donald Kehr, Superintendent
customers: 390
nameplate capacity (kW): oil 1,125

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

1987 kWh generated: 8,200
1987 kWh purchased: 5,023,110
1987 kWh sold: 3,759,004
1987 revenues: $225,000
established 1957

Nebraska City, City of†*
100 Central Ave.
Nebraska City, Neb. 68410
(402) 873-3353
William T. Brockley, General Manager
customers: 5,354
nameplate capacity (kW): gas 30,115
1987 kWh generated: 10,790,858
1987 kWh purchased: 93,292,285
1987 kWh sold: 92,330,388
1987 revenues: $4,011,000
established 1944

Nebraska Public Power District*
1414 15th St., Box 499
Columbus, Neb. 68601
(402) 564-8561
Don E. Schaufelberger, President & CEO
customers: 106,501
nameplate capacity (kW): oil 160,800; gas 72,300; coal 1,538,300; hydro 78,400; other 835,550
1987 kWh generated: 10,881,464,388
1987 kWh purchased: 1,969,158,975
1987 kWh sold: 12,497,450,532
1987 revenues: $406,326,000
established 1939

Neligh, Village of*
110 E. Fourth St.
Neligh, Neb. 68756
(402) 887-5042
Eugene Zillig, Superintendent
customers: 891
1987 kWh generated: 0
1987 kWh purchased: 13,958,904
1987 kWh sold: 12,600,263
1987 revenues: $798,000

Nelson, City of
60 E. Fourth St.
Nelson, Neb. 68961
(402) 225-4401
Virgil Schlief, Light Superintendent
customers: 387
1987 kWh generated: 0
1987 kWh purchased: 4,287,000
1987 kWh sold: 3,645,000
1987 revenues: $225,000
established 1914

Norris Public Power District
606 Irving St., Box 399
Beatrice, Neb. 68310
(402) 223-4038
Glen R. Schmieding, General Manager
customers: 11,745
nameplate capacity (kW): hydro 800
1987 kWh generated: 0
1987 kWh purchased: 314,333,349
1987 kWh sold: 292,306,138
1987 revenues: $15,923,000
established 1933

North Central Public Power District
Box 7
Creighton, Neb. 68729
(402) 358-5112
Brian Newton, Manager
customers: 3,527
1987 kWh generated: 0
1987 kWh purchased: 60,747,691
1987 kWh sold: 53,278,599
1987 revenues: $3,301,000
established 1945

North Platte, City of*
Third and Vine Sts.
North Platte, Neb. 69101
(308) 532-5320
John F. Cox, Manager
customers: 12,851
1987 kWh generated: 0
1987 kWh purchased: 192,021,000
1987 kWh sold: 180,285,000
1987 revenues: $8,968,000
established 1940

Northeast Nebraska Rural Public Power District
511 Main St., Box 39
Emerson, Neb. 68733
(402) 695-2642
Cletus J. Temple, Manager
customers: 2,553
1987 kWh generated: 0
1987 kWh purchased: 57,013,862
1987 kWh sold: 52,155,468
1987 revenues: $2,854,000
established 1939

Northwest Rural Public Power District
S. Highway 87, Box 249
Hay Springs, Neb. 69347
(308) 638-4445
Rolland Skinner, Manager
customers: 2,511
1987 kWh generated: 0
1987 kWh purchased: 44,268,925
1987 kWh sold: 39,049,282
1987 revenues: $3,489,000
established 1947

Omaha Public Power District†*
444 S. 16th St. Mall
Omaha, Neb. 68102-2247
(402) 536-4000
Fred M. Petersen, President & CEO
customers: 238,502
nameplate capacity (kW): oil 213,500; gas 110,800; coal 1,260,600; nuclear 502,000
1987 kWh generated: 7,511,779,200
1987 kWh purchased: 1,000,668,600
1987 kWh sold: 6,627,961,100
1987 revenues: $317,758,000
established 1946

Ord, City of
240 S. 16th St.
Ord, Neb. 68862
(308) 728-3595
Gene Baugh, Superintendent
customers: 1,498
nameplate capacity: unavailable
1987 kWh generated: 22,607,746
1987 kWh purchased: 0
1987 kWh sold: 18,416,870
1987 revenues: $1,017,000
established 1916

Oxford, Village of†
Box 385
Oxford, Neb. 68967
(308) 824-3511
Ron Ludeke, Superintendent
customers: 566
nameplate capacity (kW): oil 4,165
1987 kWh generated: 7,500
1987 kWh purchased: 8,622,659
1987 kWh sold: 7,634,472
1987 revenues: $450,000

Panama, Village of
Box 117
Panama, Neb. 68419
(402) 788-2288
Betty Buchholz, Clerk/Treasurer
customers: 97
1987 kWh generated: 0
1987 kWh purchased: 1,260,800
1987 kWh sold: 1,260,800
1987 revenues: $67,000

Paxton Light & Power
Paxton, Neb. 69155
(308) 239-4354
Kenny Brown, Superintendent
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Pender, City of†
Box S
Pender, Neb. 68047
(402) 385-3121
Robert Fendrick, Superintendent
customers: 766
nameplate capacity (kW): gas 5,330
1987 kWh generated: 9,420
1987 kWh purchased: 9,759,858
1987 kWh sold: 9,496,611
1987 revenues: $482,000
established 1920

Pierce, City of
114 S. Brown St.
Pierce, Neb. 68767
(402) 329-4535
Clarence H. Wattier, Manager
customers: 1,010
1987 kWh generated: 0
1987 kWh purchased: 14,573,054
1987 kWh sold: 13,090,034
1987 revenues: $766,000
established 1941

Plainview Municipal Utilities
Box 757
Plainview, Neb. 68769
(402) 582-4528
Rodney A. Storm, City Manager
customers: 900
nameplate capacity (kW): gas 3,150
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1910

Polk County Rural Public Power District
120 W. Fourth St.
Stromsburg, Neb. 68666
(402) 764-4381
Merlin Steele, Manager
customers: 2,399
1987 kWh generated: 0
1987 kWh purchased: 5,015,000
1987 kWh sold: 46,557,000
1987 revenues: $2,577,000
established 1936

Polk, Village of
Box 6
Polk, Neb. 68654
(402) 765-6471
Matthew L. Redman, Superintendent
customers: 240
1987 kWh generated: 0
1987 kWh purchased: 3,058,627
1987 kWh sold: 2,285,120
1987 revenues: $150,000
established 1906

Prague, Village of
Prague, Neb. 68050
(402) 663-5235
Ray Paseka, Utility Superintendent
customers: 160
1987 kWh generated: 0
1987 kWh purchased: 2,400,000
1987 kWh sold: 2,160,000
1987 revenues: $134,000

Randolph, City of
Box 220
Randolph, Neb. 68771
(402) 337-0553
Les Greiner, Foreman of Utility
customers: 580
nameplate capacity: unavailable
1987 kWh generated: 89,300
1987 kWh purchased: 6,685,102
1987 kWh sold: 6,116,749
1987 revenues: $355,000
established 1916

Red Cloud, City of†*
540 N. Webster St.
Red Cloud, Neb. 68970
(402) 746-2214
Kenneth P. Schwartz, Superintendent
customers: 766
nameplate capacity (kW): oil 6,544
1987 kWh generated: 22,000
1987 kWh purchased: 9,005,000
1987 kWh sold: 7,440,000
1987 revenues: $484,000
established 1912

Reynolds, Village of
612 D St., Box 98
Reynolds, Neb. 68429-0098
(402) 324-3174
Sharon Ginn, Clerk
customers: 70
1987 kWh generated: 0
1987 kWh purchased: 530,000
1987 kWh sold: 460,000
1987 revenues: $28,000

Roosevelt Public Power District
1633 13th St., Box 97
Mitchell, Neb. 69357
(308) 623-2124
Jack Mitchell, Manager
customers: 2,265
1987 kWh generated: 0
1987 kWh purchased: 37,158,300
1987 kWh sold: 33,886,900
1987 revenues: $2,606,000
established 1935

St. Paul, City of
522 Howard Ave.
St Paul, Neb. 68873
(308) 754-4483
Charles Schmid, Superintendent
customers: 1,055
1987 kWh generated: 0
1987 kWh purchased: 13,818,238
1987 kWh sold: 12,685,180
1987 revenues: $845,000

Sargent, City of
Box 40
Sargent, Neb. 68874
(308) 527-4200
Larry D. Kelly, City Superintendent
customers: 428
nameplate capacity (kW): oil 2,495
1987 kWh generated: 8,200
1987 kWh purchased: 6,707,664
1987 kWh sold: 5,753,337
1987 revenues: $264,000
established 1916

Schuyler, City of*
124 E. 11th St.
Schuyler, Neb. 68661
(402) 352-5445
Fred Ayers, Superintendent
customers: 2,132
1987 kWh generated: 0
1987 kWh purchased: 76,934,000
1987 kWh sold: 72,110,000
1987 revenues: $2,816,000
established 1892

Scribner, City of
Scribner, Neb. 68057
(402) 664-3231

Robert W. Gillis, Superintendent
customers: 574
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1988

Seward County Rural Public Power District
S. Highway 15
Seward, Neb. 68434
(402) 643-2951
Joel A. Navis, General Manager
customers: 2,527
1987 kWh generated: 0
1987 kWh purchased: 48,194,297
1987 kWh sold: 42,269,665
1987 revenues: $3,011,000
established 1938

Seward, City of
537 Main St.
Seward, Neb. 68434
(402) 643-2927
Lawrence Fiala, Superintendent
customers: 2,461
1987 kWh generated: 0
1987 kWh purchased: 50,095,536
1987 kWh sold: 46,954,511
1987 revenues: $2,411,000
established 1921

Shickley, Village of†
Box 25
Shickley, Neb. 68436
(402) 627-2055
Earl Frieden, Board Chairman
customers: 233
1987 kWh generated: 0
1987 kWh purchased: 3,619,599
1987 kWh sold: 2,924,500
1987 revenues: $181,000
established 1923

Sidney, City of†*
1115 13th Ave.
Sidney, Neb. 69162
(308) 254-5300
Robert Willis, Plant Superintendent
customers: 3,003
nameplate capacity (kW): oil 800; gas 7,500
1987 kWh generated: 0
1987 kWh purchased: 37,355,576
1987 kWh sold: 34,604,323
1987 revenues: $1,819,000
established 1942

Snyder, City of
Snyder, Neb. 68664
(402) 568-2306
Toni Smeal, Clerk / Treasurer
customers: 199
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1910

South Central Public Power District
275 S. Main St.
Nelson, Neb. 68961
(402) 225-2351
Max Van Skiver, Manager
customers: 4,228
1987 kWh generated: 0
1987 kWh purchased: 85,272,092
1987 kWh sold: 78,351,638
1987 revenues: $4,327,000
established 1961

South Sioux City, City of
1615 First Ave.
South Sioux City, Neb. 68776
(402) 494-5800
Geriann Brennfoerder, Director
customers: 4,389
1987 kWh generated: 0
1987 kWh purchased: 62,489,794
1987 kWh sold: 70,436,546
1987 revenues: $4,389,000
established 1896

Southern Nebraska Rural Public Power District
Box 1687
Grand Island, Neb. 68802
(308) 384-2350
Charles J. Hoke, General Manager
customers: 16,131
nameplate capacity (kW): oil 300; other 3,000
1987 kWh generated: 0
1987 kWh purchased: 342,945,575
1987 kWh sold: 307,112,398
1987 revenues: $19,080,000
established 1937

Southwest Public Power District*
221 N. Main St., Box J
Palisade, Neb. 69040
(308) 285-3295
Donald H. Husted, General Manager
customers: 5,039
nameplate capacity (kW): oil 300
1987 kWh generated: 0
1987 kWh purchased: 121,329,587
1987 kWh sold: 109,213,545
1987 revenues: $6,353,000
established 1954

Spalding, Village of
Box 268
Spalding, Neb. 68665
(308) 497-2416
Paul Semper, Superintendent
customers: 484
nameplate capacity (kW): oil 2,153; hydro 140
1987 kWh generated: 556,540
1987 kWh purchased: 5,836,256
1987 kWh sold: 5,475,200
1987 revenues: $192,000
established 1954

Spencer, Village of
Box 15
Spencer, Neb. 68777
(402) 589-1130
Lyle Karnes, Superintendent
customers: 360
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Stanton County Public Power District
807 Douglas St., Box 319
Stanton, Neb. 68779
(402) 439-2228
William Johnson, Manager
customers: 2,808
1987 kWh generated: 0
1987 kWh purchased: 41,277,856
1987 kWh sold: 37,703,037
1987 revenues: $2,353,000
established 1936

Stratton, City of
Box 116
Stratton, Neb. 69045
(308) 276-2184
A. R. Terrell, Superintendent
customers: 300
nameplate capacity (kW): oil 1,000
1987 kWh generated: 0
1987 kWh purchased: 3,554,646
1987 kWh sold: 3,165,253
1987 revenues: $185,000

Stromsburg, City of†*
122 E. Third St.
Stromsburg, Neb. 68666
(402) 764-2561
Merlin Simpson, Superintendent
customers: 641
1987 kWh generated: 0
1987 kWh purchased: 9,121,248
1987 kWh sold: 8,390,759
1987 revenues: $538,000
established 1936

Stuart, City of†
109 W. First St.
Stuart, Neb. 68780
(402) 924-3647
Del Stracke, Clerk
customers: 391
nameplate capacity (kW): gas 1,375
1987 kWh generated: 300
1987 kWh purchased: 4,967,500
1987 kWh sold: 3,968,700
1987 revenues: $239,000
established 1922

Superior, City of
135 W. Fourth St.
Superior, Neb. 68978
(402) 879-4711
Richard J. Elliott, Director of Public Works
customers: 1,572
1987 kWh generated: 0
1987 kWh purchased: 29,005,000
1987 kWh sold: 28,038,000
1987 revenues: $1,485,000
established 1941

Sutton Light & Power Plant
Box 437
Sutton, Neb. 68979
(402) 773-5501
Rolly R. Kastens, Commissioner
customers: 800
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Syracuse, City of
578 Mohawk St.
Syracuse, Neb. 68446
(402) 269-2173
Donald L. Block, Superintendent
customers: 855
1987 kWh generated: 0
1987 kWh purchased: 13,427,317
1987 kWh sold: 11,474,274
1987 revenues: $672,000
established 1930

Talmage Electric Department
Box 198
Talmage, Neb. 68448
(402) 264-3825
Melvin Howe, Superintendent
customers: 225
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Tecumseh, City of
12 S. Fourth St.
Tecumseh, Neb. 68450
(402) 335-3025
Terry M. Kage, Superintendent
customers: 985
nameplate capacity (kW): oil 5,308
1987 kWh generated: 0
1987 kWh purchased: 19,169,160
1987 kWh sold: 18,346,004
1987 revenues: $880,000
established 1890

Thurston, Village of
Box 215
Thurston, Neb. 68062
(402) 385-2603
Faye B. Peck, Clerk
customers: 81
1987 kWh generated: 0
1987 kWh purchased: 998,400
1987 kWh sold: 831,400
1987 revenues: $55,000

Trenton, City of
Box 68
Trenton, Neb. 69044
(308) 285-3295
Barney Lee Whatley, Superintendent
customers: 439
nameplate capacity (kW): oil 1,850
1987 kWh generated: 0
1987 kWh purchased: 5,030,514
1987 kWh sold: 4,650,561
1987 revenues: $272,000
established 1905

Twin Valleys Public Power District
W. Highway Six and 34; Box 160
Cambridge, Neb. 69022
(308) 697-3315
Paul Liess, General Manager
customers: 4,415
1987 kWh generated: 0
1987 kWh purchased: 53,427,056
1987 kWh sold: 47,017,298
1987 revenues: $3,450,000
established 1944

University of Nebraska†*
1700 Y St.
Lincoln, Neb. 68588
(402) 472-3131
Gary Thalken, Manager of Utilities
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1934

Valentine, City of
323 N. Main St., Box 177
Valentine, Neb. 69201-0177
(402) 376-2323
Norma Jean New, City Manager
customers: 1,971
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Wahoo, City of†*
605 N. Broadway
Wahoo, Neb. 68066
(402) 443-3222
Brian Skeahan, Manager
customers: 1,870
nameplate capacity (kW): oil 500; gas 13,715
1987 kWh generated: 1,323,300
1987 kWh purchased: 33,553,000
1987 kWh sold: 30,809,868
1987 revenues: $1,556,000
established 1908

Wakefield, City of
405 Main St.
Wakefield, Neb. 68784
(402) 287-2547
Larry Lueth, Superintendent
customers: 550
nameplate capacity: unavailable
1987 kWh generated: 45,590
1987 kWh purchased: 18,566,700

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

1987 kWh sold: 17,148,943
1987 revenues: $693,000
established 1917

Walthill, City of
Box 224
Walthill, Neb. 68067
(402) 846-5575
Henry L. Johnson, Superintendent
customers: 360
1987 kWh generated: 0
1987 kWh purchased: 5,742,216
1987 kWh sold: 4,385,001
1987 revenues: $357,000

Wauneta, Village of
45 E. Wichita
Wauneta, Neb. 69045
(308) 394-5390
Stanley George, Utility Superintendent
customers: 462
nameplate capacity (kW): oil 1,000
1987 kWh generated: 0
1987 kWh purchased: 6,965,718
1987 kWh sold: 5,622,124
1987 revenues: $307,000
established 1948

Wayne County Public Power District
303 Logan St.
Wayne, Neb. 68787
(402) 375-1360
E. A. Schroeder, Manager
customers: 2,599
1987 kWh generated: 0
1987 kWh purchased: 50,766,825
1987 kWh sold: 45,520,496
1987 revenues: $2,464,000
established 1939

Wayne, City of*
208 S. Main St.
Wayne, Neb. 68787
(402) 375-2866
Gene Hansen, Superintendent
customers: 2,064
nameplate capacity (kW): oil 15,375
1987 kWh generated: 277,100
1987 kWh purchased: 37,996,200
1987 kWh sold: 33,500,000
1987 revenues: $1,774,000
established 1897

West Point, City of†*
444 S. Main St.
West Point, Neb. 68788
(402) 372-2468
Howard C. Parrott, City Administrator
customers: 1,753
nameplate capacity (kW): oil 500; gas 8,565
1987 kWh generated: 93,740
1987 kWh purchased: 29,401,785
1987 kWh sold: 26,997,789
1987 revenues: $1,398,000
established 1922

Weston, Village of
Box 149
Weston, Neb. 68070
(402) 642-5496
Lynne Ross, Clerk-Treasurer
customers: 167
1987 kWh generated: 0
1987 kWh purchased: 1,793,400
1987 kWh sold: 1,526,123
1987 revenues: $93,899
established 1922

Wheat Belt Public Power District
2104 Illinois St.
Sidney, Neb. 69162
(308) 254-5871
Gene M. Lienemann, General Manager
customers: 4,187
1987 kWh generated: 0
1987 kWh purchased: 108,492,398
1987 kWh sold: 97,484,581
1987 revenues: $7,659,000
established 1947

Wilber, City of
101 W. Third St.
Wilber, Neb. 68465
(402) 821-3233
Nelson Behrens, City Superintendent
customers: 896
nameplate capacity (kW): oil 5,540
1987 kWh generated: 19,000
1987 kWh purchased: 12,128,026
1987 kWh sold: 9,359,843
1987 revenues: $377,000
established 1900

Wilcox, Village of
Box 158
Wilcox, Neb. 68982
(308) 478-5548
Donald D. Fecht, Superintendent
customers: 200
1987 kWh generated: 0
1987 kWh purchased: 2,532,925
1987 kWh sold: 2,532,925
1987 revenues: $100,000

Winside, Village of
Box 206
Winside, Neb. 68790
(402) 286-4422
Carol M. Brugger, Village Clerk
customers: 262
1987 kWh generated: 0
1987 kWh purchased: 2,807,467
1987 kWh sold: 2,319,221
1987 revenues: $115,000
established 1915

Wisner, City of
Box 367
Wisner, Neb. 68791
(402) 529-3383
Roland Johnson, Utilities Superintendent
customers: 721
nameplate capacity (kW): oil 1,905
1987 kWh generated: 40,700
1987 kWh purchased: 13,063,913
1987 kWh sold: 11,140,329
1987 revenues: $440,000
established 1905

Wood River, City of
Box 8
Wood River, Neb. 68883
(308) 583-2757
James A. Smith, Superintendent
customers: 522
1987 kWh generated: 0
1987 kWh purchased: 8,712,442
1987 kWh sold: 7,791,286
1987 revenues: $525,000

Wymore, City of
115 W. E St.
Wymore, Neb. 68466
(402) 645-3377
Dan Yockel, Superintendent
customers: 901
1987 kWh generated: 0
1987 kWh purchased: 10,299,222
1987 kWh sold: 9,180,196
1987 revenues: $562,000

York County Rural Public Power District
2122 S. Lincoln Ave., Box 219
York, Neb. 68467
(402) 362-3355
Hilary Neesen, General Manager
customers: 3,702
1987 kWh generated: 0
1987 kWh purchased: 84,141,902
1987 kWh sold: 75,163,888
1987 revenues: $4,854,000
established 1938

The following Nebraska communities own their own municipal electric systems which are operated by Nebraska Public Power District under lease agreements:

ABIE, ADAMS, AINSWORTH, ALDA, ALLEN, ANOKA, ARCADIA, ASHTON, ATKINSON, ATLANTA, AURORA, AXTELL, BANCROFT, BARADA, BASSETT, BAZILE MILLS, BEAVER CROSSING, BEE, BEEMER, BELDEN, BELLWOOD, BELVIDERE, BENEDICT, BERTRAND, BIG SPRINGS, BLADEN, BLOOMINGTON, BLUE SPRINGS, BOELUS, BRADY, BRISTOW, BROADWATER, BRULE, BRUNING, BRUNO, BRUNSWICK, BURCHARD, BUTTE.

CAIRO, CARLTON, CENTER, CHADRON, CHAPMAN, CLARKS, CLATONIA, CLAY CENTER, CLEARWATER, CLINTON, CODY, COLERIDGE, COMSTOCK, CONCORD, CORDOVA, CORTLAND, CRAIG, CRAWFORD, CREIGHTON, CROFTON, CROOKSTON, DAWSON, DEWEESE, DIXON, DODGE, DONIPHAN, DUBOIS, DWIGHT, EDISON, ELBA, ELGIN, ELM CREEK, ELSIE, ELWOOD, EMMET, EUSTIS, EWING, EXETER, FAIRFIELD, FIRTH, FORDYCE, FUNK, GARLAND, GENEVA, GIBBON, GOEHNER, GORDON, GRAFTON, GREELEY, GRESHAM, GUIDE ROCK, HALLAM, HARDY, HARTINGTON, HARVARD, HAY SPRINGS, HEARTWELL, HENDERSON, HENDLEY, HOMER, HORDVILLE, HOSKINS, HUBBARD, HUMBOLDT, HUNTLEY, INMAN, JACKSON, KEARNEY, KENESAW, KILGORE.

LAWRENCE, LEWELLEN, LONG PINE, LOOMIS, LOUP CITY, LUSHTON, LYNCH, MADRID, MAGNET, MARQUETTE, MARTINSBURG, MASKELL, McCOOK, McCOOL JUNCTION, McGREW, MEADOW GROVE, MELBETA, MERRIMAN, MILFORD, MILLER, MILLIGAN, MINATARE, MURRAY.

NAPONEE, NEHAWKA, NENZEL, NEWCASTLE, NEWPORT, NORA, NORFOLK, NORTH LOUP, OAKDALE, OAKLAND, OBERT, OGALLALA, OHIOWA, O'NEILL, ONG, ORCHARD, ORLEANS, OSCEOLA, OSHKOSH, OSMOND, OVERTON, PAGE, PALMER, PAWNEE CITY, PHILLIPS, PLATTSMOUTH, PLEASANT DALE, PONCA.

RAVENNA, REPUBLICAN CITY, RISING CITY, RIVERTON, ROYAL, RUSHVILLE, RUSKIN, SARGNVILLE, SCOTIA, SCOTTSBLUFF, SHELBY, SHELTON, SHUBERT, SILVER CREEK, STAMFORD, STAPLEHURST, STEINAUER, STELLA, STERLING, STRANG, SUTHERLAND, SWANTON.

TABLE ROCK, TAMORA, TEKAMAH, THAYER, TILDEN, TOBIAS, UEHLING, ULYSSES, UNION, UTICA, VALPARAISO, VENANGO, VERDON, VIRGINIA, WACO, WATERBURY, WAUSA, WESTERN, WHITNEY, WINNEBAGO, WINNETOON, WOLBACH, WYNOT, YORK.

The following Nebraska communities own their own municipal electric systems which are operated by Loup Power District under lease agreements:

ALBION, BELGRADE, CEDAR RAPIDS, COLUMBUS, CORNLEA, CRESTON, DUNCAN, FULLERTON, GENOA, HOWELLS, HUMPHREY, LINDSAY, MONROE, NEWMAN GROVE, PETERSBURG, PLATTE CENTER, PRIMROSE, RICHLAND, ST. EDWARD, TARNOV.

Dannebrog's and Cushing's systems are leased to Howard Greely Rural PPD, Oak's to South Central PPD, Paxton's to Midwest Electric Membership Co-op in Grant, Salem's to Omaha PPD, Stanton's and Pilger's to Stanton County PPD, Stockham's to Southern Nebraska Rural PPD and Surprise to Butler County Rural PPD.

NEVADA

Alamo Power District No. 3
233 N. Main, Box 189
Alamo, Nev. 89001
(702) 725-3335
Douglas J. Miller, Manager
customers: 456
1987 kWh generated: 0
1987 kWh purchased: 11,208,600
1987 kWh sold: 9,667,271
1987 revenues: $317,000
established 1942

Boulder City, City of†*
900 Arizona St., Box 367
Boulder City, Nev. 89005
(702) 293-9231
Ned J. Shamo, Superintendent of Electric
customers: 5,325
1987 kWh generated: 0
1987 kWh purchased: 119,481,000
1987 kWh sold: 102,817,000
1987 revenues: $3,734,000
established 1960

Caliente, City of
100 Depot Ave.
Caliente, Nev. 89008
(702) 726-3269
George T. Rowe, Mayor
customers: 454
1987 kWh generated: 0
1987 kWh purchased: 11,925,600
1987 kWh sold: 9,909,714
1987 revenues: $470,000
established 1943

Colorado River Commission of Nevada
1515 E. Tropicana, Suite 400
Las Vegas, Nev. 89119
(702) 486-7060
Jack L. Stonehocker, Director
customers: 8
1987 kWh generated: 0
1987 kWh purchased: 1,666,004,000
1987 kWh sold: 1,662,868,000
1987 revenues: $21,017,000

Fallon, City of*
55 W. Williams Ave.
Fallon, Nev. 89406
(702) 423-5107
Jim Hugur, City Manager
customers: 3,100
1987 kWh generated: 0
1987 kWh purchased: 42,246,000
1987 kWh sold: 38,232,630
1987 revenues: $3,327,000
established 1911

Lincoln County Power District No. 1
SR 89063, Box 101
Pioche, Nev. 89043
(702) 962-5122
William F. Lynch, Manager
customers: 113
1987 kWh generated: 0
1987 kWh purchased: 56,178,826
1987 kWh sold: 50,455,546
1987 revenues: $1,232,000
established 1935

Overton Power District No. 5
261 S. Jones St., Box 395
Overton, Nev. 89040
(702) 397-2512
A. Kent Bloomfield, General Manager
customers: 2,629
1987 kWh generated: 0
1987 kWh purchased: 109,171,079
1987 kWh sold: 95,914,444
1987 revenues: $2,628,000
established 1939

Pioche, City of
Box 35
Pioche, Nev. 89043
(702) 962-5840
Patrick Kelly, Manager
customers: 315
1987 kWh generated: 0
1987 kWh purchased: 6,134,400
1987 kWh sold: 5,629,295
1987 revenues: $238,000

NEW HAMPSHIRE

Ashland, Town of
10 Highland St., Box 517
Ashland, N.H. 03217
(603) 968-3083
Thomas E. Marsh, Superintendent
customers: 1,023
nameplate capacity (kW): oil 900, gas 4,075
1987 kWh generated: 244,267
1987 kWh purchased: 22,539,200
1987 kWh sold: 21,769,182
1987 revenues: $1,579,000
established 1917

Littleton, City of
30 Lafayette Ave.
Littleton, N.H. 03561
(603) 444-2915
James R. Thyng, Superintendent
customers: 3,270
1987 kWh generated: 0
1987 kWh purchased: 48,094,200
1987 kWh sold: 43,845,432
1987 revenues: $2,943,000
established 1903

New Hampton Village Precinct
New Hampton, N.H. 03256
(603) 351-3517
Ralph Ness, Manager, Electric Department
customers: 136
1987 kWh generated: 0
1987 kWh purchased: 2,548,713
1987 kWh sold: 2,310,371
1987 revenues: $159,000
established 1914

Wolfeboro, Town of
S. Main St., Box 777
Wolfeboro, N.H. 03894
(603) 569-3900
Chester L. Spinney, Town Manager
customers: 4,314
nameplate capacity: unavailable
1987 kWh generated: 326,900
1987 kWh purchased: 48,072,000
1987 kWh sold: 44,329,656
1987 revenues: $3,020,000
established 1897

Woodsville, City of
3 N. Court St.
Woodsville, N.H. 03785
(603) 747-2442
Hayden Waterhouse, Superintendent
customers: 1,109
1987 kWh generated: 0
1987 kWh purchased: 14,148,790
1987 kWh sold: 12,932,910
1987 revenues: $934,000
established 1922

NEW JERSEY

Butler, Borough of*
1 Ace Road
Butler, N.J. 07405
(201) 838-7200
Frank J. Bastone, Borough Administrator
customers: 9,589
1987 kWh generated: 0
1987 kWh purchased: 106,006,000
1987 kWh sold: 95,330,480
1987 revenues: $10,572,000
established 1942

LaVallette Electric Department*
Washington Avenue
LaVallette, N.J. 08735
(201) 793-7477
Joan Larson, Electric Clerk
customers: 2,721
1987 kWh generated: 0
1987 kWh purchased: 15,405,600
1987 kWh sold: 14,047,241
1987 revenues: $1,105,191
established 1927

Madison, City of*
Hartley Dodge Memorial Building, Kings Road
Madison, N.J. 07940
(201) 593-3043
James Allison, Borough Administrator
customers: 6,007
1987 kWh generated: 0
1987 kWh purchased: 103,702,000
1987 kWh sold: 97,817,266
1987 revenues: $9,131,000
established 1889

Milltown, Borough of
39 Washington Ave.
Milltown, N.J. 08850
(201) 828-2100
Jack Shanabrock, Supervisor
customers: 2,681
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: $3,054,702

Park Ridge, City of†*
53 Park Ave.
Park Ridge, N.J. 07656
(201) 391-2113
Robert F. Kenney, Director of Operations
customers: 3,270
1987 kWh generated: 0
1987 kWh purchased: 50,016,000
1987 kWh sold: 46,886,391
1987 revenues: $3,701,000
established 1904

Pemberton, Borough of
114 Hanover St., Box 261
Pemberton, N.J. 08068
(609) 894-8222
Edward Kaelin, Superintendent
customers: 510
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1921

Seaside Heights, Borough of
901 Blvd. Ipri
Seaside Heights, N.J. 08751
(201) 793-0359
Leonard Ipri, Superintendent
customers: 4,000
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1921

South River, Borough of*
33 Gordon St.
South River, N.J. 08882
(201) 257-9051
George Freeman, Electric Supervisor
customers: 5,709
nameplate capacity (kW): oil 2,200
1987 kWh generated: 0
1987 kWh purchased: 44,601,600
1987 kWh sold: 37,763,037
1987 revenues: $3,499,000
established 1908

Vineland, City of*
Seventh & Wood St., City Hall
Vineland, N.J. 08360
(609) 794-4166
Harry A. Maloney III, Director of Electric Utility
customers: 16,400
nameplate capacity (kW): oil 98,600, coal 25,000
1987 kWh generated: 196,466,400
1987 kWh purchased: 181,766,000
1987 kWh sold: 369,588,282
1987 revenues: $27,075,000
established 1900

NEW MEXICO

Aztec, City of
201 W. Chaco St.
Aztec, N.M. 87410
(505) 334-9456
Shirley Willis, City Manager
customers: 2,242
nameplate capacity (kW): gas 1,600
1987 kWh generated: 0
1987 kWh purchased: 25,500,000
1987 kWh sold: 19,790,500
1987 revenues: $1,150,000
established 1956

Farmington, City of†*
800 Municipal Drive
Farmington, N.M. 87401
(505) 327-7701
William T. Statton, Electric Utility Director
customers: 27,472
nameplate capacity (kW): oil 1,750; gas 32,650; coal 45,283; hydro 200
1987 kWh generated: 304,763,000
1987 kWh purchased: 102,527,000
1987 kWh sold: 384,484,131
1987 revenues: $32,286,000
established 1964

Gallup, City of*
Box 1270
Gallup, N.M. 87301
(505) 863-6871
Robert Monday, Utility Director
customers: 9,571
1987 kWh generated: 0
1987 kWh purchased: 176,303,515
1987 kWh sold: 168,213,808
1987 revenues: $10,215,000
established 1941

Los Alamos, County of*
901 Trinity Drive, Box 30
Los Alamos, N.M. 87544
(505) 662-8130
Chris Ortega, Utilities Manager
customers: 6,379
nameplate capacity (kW): coal 38,448
1987 kWh generated: 244,135,000
1987 kWh purchased: 245,446,000
1987 kWh sold: 453,614,873
1987 revenues: $22,209,000
established 1967

Raton Public Service Co.†*
224 Savage Ave.
Raton, N.M. 87740
(505) 445-9861
Nardi Gabriele, General Manager
customers: 3,995
nameplate capacity (kW): coal 12,100
1987 kWh generated: 32,409,270
1987 kWh purchased: 17,721,558
1987 kWh sold: 42,879,864
1987 revenues: $3,104,000
established 1919

Springer, Town of
612 Colbert Ave., Box 488
Springer, N.M. 87747
(505) 483-2682
Lloyd Miles, Administrator
customers: 687
1987 kWh generated: 0
1987 kWh purchased: 4,899,200
1987 kWh sold: 4,508,940
1987 revenues: $519,000

Truth or Consequences, City of*
605 Sims St.
Truth or Consequences, N.M. 87901
(505) 894-6674
Gene E. Hoskinson, Electric Utility Director
customers: 3,632
1987 kWh generated: 0
1987 kWh purchased: 36,579,595
1987 kWh sold: 32,693,073
1987 revenues: $2,412,000
established 1934

NEW YORK

Akron, Village of†*
21 Main St., Box 180
Akron, N.Y. 14001
(716) 542-9636
Raymond J. Carlo Jr., Clerk/Treasurer
customers: 1,368
1987 kWh generated: 0
1987 kWh purchased: 40,119,600
1987 kWh sold: 36,455,566
1987 revenues: $999,000
established 1903

Andover, Village of†
4 Main St.
Andover, N.Y. 14806
(607) 478-8455
Maynard Towner, Superintendent
customers: 538
1987 kWh generated: 0
1987 kWh purchased: 5,866,500
1987 kWh sold: 5,384,302
1987 revenues: $157,000
established 1913

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

Angelica, Village of†*
White St.
Angelica, N.Y. 14709
(716) 466-7431
Richard Sortore, Superintendent
customers: 602
1987 kWh generated: 0
1987 kWh purchased: 6,863,465
1987 kWh sold: 6,309,746
1987 revenues: $188,000
established 1930

Arcade, Village of†*
17 Church St.
Arcade, N.Y. 14009
(716) 492-1111
Larry A. Kilburn, Superintendent, Public Works
customers: 3,092
1987 kWh generated: 0
1987 kWh purchased: 109,900,000
1987 kWh sold: 104,841,407
1987 revenues: $2,255,000
established 1909

Bath, Village of†*
Drawer 310
Bath, N.Y. 14810
(607) 776-3072
W. N. Wrinkle, Director
customers: 3,968
1987 kWh generated: 0
1987 kWh purchased: 65,266,400
1987 kWh sold: 60,984,759
1987 revenues: $1,814,000
established 1915

Bergen, Village of†*
16 N. Lake St.
Bergen, N.Y. 14416
(716) 494-1513
Roy Hill, Superintendent
customers: 549
1987 kWh generated: 0
1987 kWh purchased: 16,460,750
1987 kWh sold: 16,460,750
1987 revenues: $589,000
established 1909

Boonville, Village of†*
Utica Blvd., Box 59
Boonville, N.Y. 13309
(315) 942-4461
John W. Gilbert, Superintendent
customers: 2,477
1987 kWh generated: 0
1987 kWh purchased: 49,627,490
1987 kWh sold: 45,644,496
1987 revenues: $1,581,000
established 1903

Brocton, City of†*
34 W. Main St.
Brocton, N.Y. 14716
(716) 792-4160
Rick Manzella, Superintendent
customers: 714
1987 kWh generated: 0
1987 kWh purchased: 10,214,000
1987 kWh sold: 10,027,798
1987 revenues: $208,000
established 1904

Castile, Village of†*
51 N. Main St., Box 515
Castile, N.Y. 14427
(716) 493-2340
Lynn D. Washburn, Superintendent
customers: 593
1987 kWh generated: 0
1987 kWh purchased: 6,812,700
1987 kWh sold: 6,269,131
1987 revenues: $229,000
established 1903

Churchville, Village of†*
9 E. Buffalo St., Box M
Churchville, N.Y. 14428
(716) 293-3720
Ronald J. Trinkl, Superintendent
customers: 732
1987 kWh generated: 0
1987 kWh purchased: 14,463,400
1987 kWh sold: 13,644,250
1987 revenues: $558,000
established 1921

Endicott, Village of†*
1009 E. Main St.
Endicott, N.Y. 13760
(607) 757-2450
Harold Andrews, Superintendent
customers: 3,194
1987 kWh generated: 0
1987 kWh purchased: 46,602,373
1987 kWh sold: 44,234,529
1987 revenues: $1,588,000
established 1906

Fairport, Village of†*
31 S. Main St., Box 500
Fairport, N.Y. 14450
(716) 223-0440
Robert N. Vaisey, General Manager
customers: 12,431
1987 kWh generated: 0
1987 kWh purchased: 311,030,000
1987 kWh sold: 288,604,000
1987 revenues: $8,324,000
established 1901

Frankfort, Village of†
127 E. Orchard St.
Frankfort, N.Y. 13340
(315) 894-5116
Francis C. Congelo, Superintendent
customers: 1,597
1987 kWh generated: 0
1987 kWh purchased: 17,063,370
1987 kWh sold: 15,831,324
1987 revenues: $547,000
established 1960

Freeport, Village of†*
220 W. Sunrise Hwy.
Freeport, N.Y. 11520
(516) 378-4000
William A. Cominos, General Manager
customers: 14,539
nameplate capacity (kW): oil 50,800
1987 kWh generated: 6,803,920
1987 kWh purchased: 211,196,000
1987 kWh sold: 206,905,606
1987 revenues: $13,655,000
established 1896

Green Island, City of†
20 Clinton St.
Green Island, N.Y. 12183
(518) 273-2201
John Peek, Electric Superintendent
customers: 1,216
1987 kWh generated: 0
1987 kWh purchased: 9,374,900
1987 kWh sold: 8,644,443
1987 revenues: $375,000
established 1895

Greene, Village of†*
49 Genesee St.
Greene, N.Y. 13778
(607) 656-8311
Harvey Stalker, Superintendent
customers: 1,192
1987 kWh generated: 0
1987 kWh purchased: 28,312,000
1987 kWh sold: 25,960,465
1987 revenues: $880,000
established 1900

Greenport Municipal Utilities†*
236 3rd St., Box AH
Greenport, N.Y. 11944
(516) 477-1748
James I. Monsell, Superintendent
customers: 1,868
nameplate capacity (kW): oil 6,965
1987 kWh generated: 82,100
1987 kWh purchased: 23,339,470
1987 kWh sold: 19,471,614
1987 revenues: $1,602,000
established 1899

Groton, Village of†*
108 Courtland St.
Groton, N.Y. 13075
(607) 898-3001
Frank I. Satterly, Director of Public Works
customers: 889
1987 kWh generated: 0
1987 kWh purchased: 18,235,100
1987 kWh sold: 16,957,630
1987 revenues: $450,000
established 1933

Hamilton, Village of†*
3 Broad St., Box 119
Hamilton, N.Y. 13346
(315) 824-1111
John Rathbone, Village Engineer
customers: 1,425
1987 kWh generated: 0
1987 kWh purchased: 47,948,367
1987 kWh sold: 44,957,030
1987 revenues: $1,725,000
established 1895

Holley, Village of†
72 Public Square
Holley, N.Y. 14470
(716) 638-6367
Scott Parker, Electric Supervisor
customers: 891
1987 kWh generated: 0
1987 kWh purchased: 19,798,000
1987 kWh sold: 18,720,000
1987 revenues: $527,000
established 1889

Ilion, Village of†*
49 Morgan St.
Ilion, N.Y. 13357
(315) 895-7749
Kevin J. Manfreda, Superintendent
customers: 3,889
1987 kWh generated: 0
1987 kWh purchased: 60,853,343
1987 kWh sold: 56,483,889
1987 revenues: $1,186,000
established 1901

Jamestown, City of†*
200-212 E. Third St., Box 700
Jamestown, N.Y. 14702-0700
(716) 483-7583
R. James Gronquist, General Manager
customers: 19,864
nameplate capacity (kW): coal 90,700
1987 kWh generated: 207,439,410
1987 kWh purchased: 277,517,880
1987 kWh sold: 452,208,032
1987 revenues: $14,151,000
established 1891

Lake Placid Village, Inc.†*
301 Main St.
Lake Placid, N.Y. 12946
(518) 523-2021
Charles White, Superintendent
customers: 4,023
1987 kWh generated: 0
1987 kWh purchased: 104,972,000
1987 kWh sold: 101,828,265
1987 revenues: $4,543,000
established 1906

Little Valley, Village of†*
Municipal Building
Little Valley, N.Y. 14755
(716) 938-9151
Robert H. Milks, Electric Supervisor
customers: 1,181
1987 kWh generated: 0
1987 kWh purchased: 16,427,100
1987 kWh sold: 14,933,586
1987 revenues: $606,000
established 1896

Marathon, Village of†
Box 519
Marathon, N.Y. 13803
(607) 849-6795
Robert P. Braman, Superintendent
customers: 736
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1901

Massena, Town of†*
71 E. Hatfield St., Box 209
Massena, N.Y. 13662
(315) 764-0253
Clifford G. Engstrom, General Manager
customers: 8,401
1987 kWh generated: 0
1987 kWh purchased: 111,726,746
1987 kWh sold: 99,267,204
1987 revenues: $5,552,000
established 1981

Mayville, Village of†*
Box 188
Mayville, N.Y. 14757
(716) 753-2125
Chester E. Crandall, Superintendent
customers: 1,011
1987 kWh generated: 0
1987 kWh purchased: 21,145,400
1987 kWh sold: 19,146,959
1987 revenues: $462,000
established 1896

Mohawk Municipal Commission†*
28 Columbia St.
Mohawk, N.Y. 13407
(315) 866-4170
William Buddenhagen, Utilities Supervisor
customers: 1,278
1987 kWh generated: 0
1987 kWh purchased: 19,763,150
1987 kWh sold: 18,264,722
1987 revenues: $606,000
established 1904

New York Power Authority†*
1633 Broadway
New York, N.Y. 10019
(212) 468-6000
J. Phillip Bayne, President
customers: 92
nameplate capacity (kW): oil 883,000; hydro 4,684,350, nuclear 1,896,000
1987 kWh generated: 35,751,942,000
1987 kWh purchased: 8,446,236,000
1987 kWh sold: 44,167,624,000
1987 revenues: $1,127,999,000
established 1931

Penn Yan, Village of†*
2 Maiden Lane
Penn Yan, N.Y. 14527
(315) 536-3374
Wesley G. Ryder, Utilities Manager
customers: 2,845
1987 kWh generated: 0
1987 kWh purchased: 54,555,000
1987 kWh sold: 49,753,000

1987 revenues: $1,864,000
established 1905

Philadelphia, Inc. Village of†
Box 70
Philadelphia, N.Y. 13673
(315) 642-3452
Bernard A. Rosbrook, Superintendent
customers: 452
1987 kWh generated: 0
1987 kWh purchased: 7,490,200
1987 kWh sold: 6,838,701
1987 revenues: $253,000
established 1906

Plattsburgh, City of†*
6 Miller St.
Plattsburgh, N.Y. 12901
(518) 563-2200
Robert E. Metz, Manager
customers: 8,677
nameplate capacity (kW): oil 2,100
1987 kWh generated: 0
1987 kWh purchased: 497,343,000
1987 kWh sold: 476,036,760
1987 revenues: $9,941,000
established 1941

Richmondville, City of†
22 E. Main St.
Richmondville, N.Y. 12149
(518) 294-7700
Bruce R. Stevens, Superintendent
customers: 886
1987 kWh generated: 0
1987 kWh purchased: 10,309,000
1987 kWh sold: 9,711,328
1987 revenues: $407,000
established 1918

Rockville Centre, Village of†*
Box 950
Rockville Centre, N.Y. 11571
(516) 766-0300
Patrick J. Hester, Superintendent
customers: 10,088
nameplate capacity (kW): oil 31,348
1987 kWh generated: 37,382,000
1987 kWh purchased: 129,223,000
1987 kWh sold: 154,019,158
1987 revenues: $7,626,000
established 1898

Rouses Point, Village of†*
139 Lake St.
Rouses Point, N.Y. 12979
(518) 297-7231
William W. Way Jr., Village Administrator
customers: 1,123
1987 kWh generated: 0
1987 kWh purchased: 72,951,000
1987 kWh sold: 66,701,392
1987 revenues: $2,067,000
established 1903

Salamanca, City of†
225 Wildwood Ave.
Salamanca, N.Y. 14779
(716) 945-3130
James M. Brundage, General Manager
customers: 3,369
1987 kWh generated: 0
1987 kWh purchased: 61,223,200
1987 kWh sold: 56,750,635
1987 revenues: $1,033,000
established 1913

Sherburne, Village of†*
15 W. State St.
Sherburne, N.Y. 13460
(607) 674-2300
Donald Jeffrey, Superintendent
customers: 1,829
1987 kWh generated: 0
1987 kWh purchased: 52,031,895
1987 kWh sold: 51,766,624
1987 revenues: $2,200,000
established 1907

Sherrill, City of†*
601 Sherrill Road
Sherrill, N.Y. 13461
(315) 363-6479
Lawrence Pickard, Superintendent
customers: 1,431
1987 kWh generated: 0
1987 kWh purchased: 55,734,000
1987 kWh sold: 54,166,039
1987 revenues: $1,037,000
established 1977

Silver Springs, Village of†
43 N. Main St.
Silver Springs, N.Y. 14550
(716) 493-2500
Robert Kupp, Superintendent
customers: 371
1987 kWh generated: 0
1987 kWh purchased: 4,071,500
1987 kWh sold: 3,439,564
1987 revenues: $139,000
established 1912

Skaneateles, Village of†*
46 E. Genesee St.
Skaneateles, N.Y. 13152
(315) 685-5628
James A. Buff, Superintendent
customers: 1,322
nameplate capacity (kW): oil 376
1987 kWh generated: 0
1987 kWh purchased: 22,655,700
1987 kWh sold: 21,218,817
1987 revenues: $815,000
established 1900

Solvay, Village of†*
507 Charles Ave.
Solvay, N.Y. 13209
(315) 468-6229
M. V. Raman, Manager & Chief Engineer
customers: 4,501
1987 kWh generated: 0
1987 kWh purchased: 374,067,000
1987 kWh sold: 365,258,000
1987 revenues: $6,388,000
established 1896

Spencerport, Village of†*
27 West Ave.
Spencerport, N.Y. 14559
(716) 352-4771
James Bleier, Superintendent
customers: 2,288
1987 kWh generated: 0
1987 kWh purchased: 47,248,600
1987 kWh sold: 45,399,495
1987 revenues: $1,003,000
established 1916

Springville, Village of†
5 W. Main St.
Springville, N.Y. 14141
(716) 592-2310
John Lipoff, Superintendent
customers: 2,214
nameplate capacity (kW): hydro 600
1987 kWh generated: 2,109,965
1987 kWh purchased: 47,248,000
1987 kWh sold: 43,186,717
1987 revenues: $1,369,000
established 1895

Theresa Municipal Electric†*
202 Commercial St., Box 299
Theresa, N.Y. 13691
(315) 628-4425
Debra Greene, Clerk
customers: 387
1987 kWh generated: 0
1987 kWh purchased: 5,316,000
1987 kWh sold: 5,106,000
1987 revenues: $177,000
established 1906

Tupper Lake, Village of†*
53 Park St.
Tupper Lake, N.Y. 12986
(518) 359-3341
Donald T. Trudeau, Superintendent
customers: 2,894
1987 kWh generated: 0
1987 kWh purchased: 67,510,800
1987 kWh sold: 62,990,982
1987 revenues: $2,235,000
established 1903

Watertown, City of
245 Washington St., Room 305
Watertown, N.Y. 13601
(315) 785-7740
John T. Bouck, Electrical Superintendent
customers: 5
nameplate capacity (kW): hydro 5,400
1987 kWh generated: 18,888,000
1987 kWh purchased: 4,824,000
1987 kWh sold: 18,243,424
1987 revenues: $494,000
established 1924

Watkins Glen, Village of†
303 N. Franklin St.
Watkins Glen, N.Y. 14891
(607) 535-2736
John B. Doolittle, Manager
customers: 1,288
1987 kWh generated: 0
1987 kWh purchased: 35,594,700
1987 kWh sold: 32,860,779
1987 revenues: $876,000
established 1918

Wellsville, Village of†*
97 W. State St.
Wellsville, N.Y. 14895
(716) 593-3587
Donald MacFarquhar, Director of Public Works
customers: 2,607
1987 kWh generated: 0
1987 kWh purchased: 48,282,100
1987 kWh sold: 43,045,336
1987 revenues: $944,000
established 1915

Westfield, Village of†*
23 Elm St.
Westfield, N.Y. 14787
(716) 326-2145
Leroy J. Hamilton, Electric Superintendent
customers: 2,967
1987 kWh generated: 0
1987 kWh purchased: 65,664,700
1987 kWh sold: 60,039,255
1987 revenues: $1,191,000
established 1892

NORTH CAROLINA

Albemarle, City of*
Box 190
Albemarle, N.C. 28001
(704) 982-0131
D. Lendell Smith Jr., Director of Public Works
customers: 9,717
1987 kWh generated: 0
1987 kWh purchased: 246,537,229
1987 kWh sold: 228,166,043
1987 revenues: $14,030,000
established 1910

Apex, Town of*
205 Saunders St., Box 250
Apex, N.C. 27502
(919) 362-8166
Larry P. Thomas, Director of Public Works
customers: 2,666
1987 kWh generated: 0
1987 kWh purchased: 38,195,478
1987 kWh sold: 35,279,151
1987 revenues: $2,764,000
established 1923

Ayden, Town of*
Box 219
Ayden, N.C. 28513
(919) 746-2526
Mitch Keel, Director
customers: 2,965
1987 kWh generated: 0
1987 kWh purchased: 52,561,190
1987 kWh sold: 46,459,387
1987 revenues: $3,523,000
established 1915

Belhaven, Town of*
Box 220
Belhaven, N.C. 27810
(919) 943-3055
Tim M. Johnson, Town Manager
customers: 1,182
1987 kWh generated: 0
1987 kWh purchased: 19,170,547
1987 kWh sold: 17,883,759
1987 revenues: $1,669,000
established 1920

Benson, Town of*
303 E. Church St.
Benson, N.C. 27504
(919) 894-3553
Keith R. Langdon, Town Administrator
customers: 1,574
nameplate capacity (kW): oil 3,100, coal 600
1987 kWh generated: 0
1987 kWh purchased: 30,652,000
1987 kWh sold: 30,652,000
1987 revenues: $2,210,000
established 1913

Black Creek, Town of*
Box 8
Black Creek, N.C. 27813
(919) 243-6439
John Woodruff, Superintendent of Public Works
customers: 561
1987 kWh generated: 0
1987 kWh purchased: 7,753,671
1987 kWh sold: 6,457,923
1987 revenues: $662,000
established 1922

Bostic, Town of*
Main St., Box 158
Bostic, N.C. 28018

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

(704) 245-2187
Charles Morgan, Superintendent of Lights
customers: 148
1987 kWh generated: 0
1987 kWh purchased: 2,181,180
1987 kWh sold: 1,905,199
1987 revenues: $112,000
established 1920

Cherryville, City of*
116 S. Mountain St.
Cherryville, N.C. 28021
(704) 435-4181
Ted Mace, Director of Public Works
customers: 2,364
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1906

Clayton, Town of*
231 E. Second St., Box 879
Clayton, N.C. 27520
(919) 553-5866
Robert Hyatt, Town Manager
customers: 2,705
1987 kWh generated: 0
1987 kWh purchased: 44,887,521
1987 kWh sold: 40,650,259
1987 revenues: $2,958,000
established 1925

Concord, City of†*
Box 567
Concord, N.C. 28025
(704) 786-6161
Stephen H. Slough, Utilities Director
customers: 15,096
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1901

Cornelius, Town of*
Box 66
Cornelius, N.C. 28031
(704) 892-6031
David Bailey, Town Administrator
customers: 890
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Dallas, Town of
131 N. Gaston St.
Dallas, N.C. 28034
(704) 922-3176
Scott Braddy, Superintendent
customers: 2,649
1987 kWh generated: 0
1987 kWh purchased: 43,012,080
1987 kWh sold: 38,698,074
1987 revenues: $2,640,000
established 1925

Drexel, Town of*
Box 188
Drexel, N.C. 28619
(704) 437-7421
Morris Baker, Town Manager
customers: 1,060
1987 kWh generated: 0
1987 kWh purchased: 15,428,254
1987 kWh sold: 13,336,235
1987 revenues: $984,000
established 1927

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

Edenton, Town of*
Box 300
Edenton, N.C. 27932
(919) 482-4144
William Crummey, Director of Utilities
customers: 3,386
1987 kWh generated: 0
1987 kWh purchased: 85,114,768
1987 kWh sold: 82,982,050
1987 revenues: $6,064,000
established 1900

Elizabeth City, City of*
300 E. Colonial Ave.
Elizabeth City, N.C. 27909
(919) 338-3981
Ronnie Dail, Utility Director
customers: 9,059
1987 kWh generated: 0
1987 kWh purchased: 211,697,146
1987 kWh sold: 187,620,400
1987 revenues: $15,766,000
established 1923

Enfield, Town of
Box 695
Enfield, N.C. 27823
(919) 445-3146
Joseph N. Adkins, Utility Director
customers: 1,597
1987 kWh generated: 0
1987 kWh purchased: 23,230,478
1987 kWh sold: 20,346,581
1987 revenues: $1,832,000

Farmville, Town of*
124 N. Main St.
Farmville, N.C. 27828
(919) 753-3021
C. W. Modlin Jr., Director of Utilities
customers: 2,410
nameplate capacity (kW): oil 2,700
1987 kWh generated: 0
1987 kWh purchased: 54,000,000
1987 kWh sold: 51,419,000
1987 revenues: $3,580,000
established 1915

Fayetteville Public Works Commission*
508 Person St., Box 1089
Fayetteville, N.C. 28302
(919) 483-1401
Timothy Wood, General Manager
customers: 56,750
nameplate capacity (kW): gas 230,400
1987 kWh generated: 92,168,000
1987 kWh purchased: 1,439,238,000
1987 kWh sold: 1,470,317,000
1987 revenues: $94,437,000
established 1905

Forest City, Town of
12 N. Powell St., Box 728
Forest City, N.C. 28043
(704) 245-4747
Chuck Summey, City Manager
customers: 4,261
1987 kWh generated: 0
1987 kWh purchased: 126,651,348
1987 kWh sold: 111,453,037
1987 revenues: $7,275,000

Fountain, Town of*
Box 134
Fountain, N.C. 27829
(919) 749-2881
Robert Drew, Director
customers: 373
1987 kWh generated: 0
1987 kWh purchased: 1,794,000
1987 kWh sold: 1,442,000
1987 revenues: $26,000
established 1936

Fremont, Town of*
Box 818
Fremont, N.C. 27830
(919) 242-5151
Ray Radford, Public Works Director
customers: 909
1987 kWh generated: 0
1987 kWh purchased: 0
1987 kWh sold: 11,908,661
1987 revenues: $849,350

Gastonia, City of*
Box 1748
Gastonia, N.C. 28052
(704) 866-6825
Dale Becker, Superintendent
customers: 21,350
1987 kWh generated: 0
1987 kWh purchased: 528,197,786
1987 kWh sold: 501,204,205
1987 revenues: $30,851,000
established 1900

Granite Falls, Town of*
30 Park Square
Granite Falls, N.C. 28630
(704) 396-3131
Linda K. Story, Town Manager
customers: 1,526
1987 kWh generated: 0
1987 kWh purchased: 34,877,471
1987 kWh sold: 31,309,359
1987 revenues: $2,322,000

Greenville Utilities Commission*
200 W. Fifth St., Box 1847
Greenville, N.C. 27835
(919) 752-7166
Malcolm A. Green, General Manager
customers: 31,496
1987 kWh generated: 0
1987 kWh purchased: 874,701,850
1987 kWh sold: 830,086,260
1987 revenues: $55,792,000
established 1905

Hamilton, Town of*
Box 249
Hamilton, N.C. 27840
(919) 798-2001
Kathryn N. Moore, Town Clerk
customers: 225
1987 kWh generated: 0
1987 kWh purchased: 3,572,622
1987 kWh sold: 2,934,942
1987 revenues: $237,000
established 1922

Hertford, City of*
Box 32
Hertford, N.C. 27944
(919) 426-5311
Bill Cox, Town Manager
customers: 1,516
1987 kWh generated: 0
1987 kWh purchased: 21,830,038
1987 kWh sold: 19,450,280
1987 revenues: $1,569,000
established 1918

High Point, Town of*
211 S. Hamilton St.
High Point, N.C. 27261
(919) 887-2511
Lloyd Shank Jr., Director of Electric Utility
customers: 30,911
1987 kWh generated: 0
1987 kWh purchased: 683,061,127
1987 kWh sold: 647,146,000
1987 revenues: $44,072,000
established 1892

Highlands
Box 460
Highlands, N.C. 28741
(704) 526-2118
Arnold Keener, Superintendent
customers: 2,100
1987 kWh generated: 0
1987 kWh purchased: 22,000,000
1987 kWh sold: not available
1987 revenues: not available
established 1926

Hobgood, Town of*
Box 217
Hobgood, N.C. 27843
(919) 826-4573
Sidney G. Burnette, Electric Commissioner
customers: 335
1987 kWh generated: 0
1987 kWh purchased: 4,470,000
1987 kWh sold: 3,370,000
1987 revenues: $321,000
established 1973

Hookerton, Town of*
227 Main St., Box 296
Hookerton, N.C. 28538
(919) 747-3816
Lillian W. Hardy, Clerk
customers: 332
1987 kWh generated: 0
1987 kWh purchased: 5,596,026
1987 kWh sold: 5,138,641
1987 revenues: $409,000

Huntersville, Town of*
Box 664
Huntersville, N.C. 28078
(704) 875-6541
Steve Carpenter, Town Manager
customers: 795
1987 kWh generated: 0
1987 kWh purchased: 17,700,000
1987 kWh sold: 17,700,000
1987 revenues: $1,223,000

Kings Mountain, City of
Box 429
Kings Mountain, N.C. 28086
(704) 734-0333
Kyle F. Smith, Mayor
customers: 3,526
1987 kWh generated: 0
1987 kWh purchased: 93,007,440
1987 kWh sold: 86,604,108
1987 revenues: $6,204,000
established 1903

Kinston, City of*
207 E. King St., Drawer 339
Kinston, N.C. 28501
(919) 559-4252
Ronald D. Wicker, Director
customers: 14,220
1987 kWh generated: 0
1987 kWh purchased: 360,355,000
1987 kWh sold: 344,976,000
1987 revenues: $21,843,000

La Grange, Town of*
120 E. Railroad St.
La Grange, N.C. 28551
(919) 566-3186
Edward B. Walters, Utilities Director
customers: 1,402
1987 kWh generated: 0
1987 kWh purchased: 22,383,326
1987 kWh sold: 20,061,988
1987 revenues: $1,634,000

Landis, Town of*
136 N. Central Ave.
Landis, N.C. 28088
(704) 857-2411
W. C. Deadmon, Director
customers: 2,141
1987 kWh generated: 0
1987 kWh purchased: 35,668,936
1987 kWh sold: 33,440,864
1987 revenues: $2,355,000

Laurinburg, City of*
W. Church St., Box 249
Laurinburg, N.C. 28352
(919) 276-8324
Peter G. Vandenberg, City Manager
customers: 5,756
1987 kWh generated: 0
1987 kWh purchased: 104,567,992
1987 kWh sold: 95,242,177
1987 revenues: $6,815,000
established 1925

Lexington, City of*
28 W. Center St.
Lexington, N.C. 27292
(704) 243-2489
B. Paul Webster Jr., Superintendent
customers: 18,962
1987 kWh generated: 0
1987 kWh purchased: 384,332,839
1987 kWh sold: 359,863,739
1987 revenues: $24,884,000
established 1902

Lincolnton, City of*
114 W. Sycamore St.
Lincolnton, N.C. 28092
(704) 732-2281
David E. Lowe, City Manager
customers: 2,455
1987 kWh generated: 0
1987 kWh purchased: 51,702,049
1987 kWh sold: 41,198,118
1987 revenues: $3,098,000
established 1900

Louisburg, City of*
110 W. Nash St.
Louisburg, N.C. 27549
(919) 496-3406
C. L. Gobble, Town Administrator
customers: 1,810
1987 kWh generated: 0
1987 kWh purchased: 44,000,000
1987 kWh sold: 39,000,000
1987 revenues: $2,996,000

Lucama, Town of*
111 Main St.
Lucama, N.C. 27551
(919) 239-0560
Donnie H. Barnes, Electric Supervisor
customers: 1,269
1987 kWh generated: 0
1987 kWh purchased: 13,575,647
1987 kWh sold: 11,506,263
1987 revenues: $1,155,000

Lumberton, City of*
501 E. Fifth St.
Lumberton, N.C. 28358
(919) 738-2255
Wayne Hedgpeth, Director
customers: 8,694
1987 kWh generated: 0
1987 kWh purchased: 242,814,648
1987 kWh sold: 218,055,517
1987 revenues: $16,125,000
established 1915

MacClesfield, Town of*
Box 185
MacClesfield,, N.C. 27852
(919) 827-4823
Wiley W. Ford, Director of Public Works
customers: 316
1987 kWh generated: 0
1987 kWh purchased: 3,801,040
1987 kWh sold: 3,801,040
1987 revenues: $300,000
established 1928

Maiden, Town of*
113 W. Main St., Box 125
Maiden, N.C. 28650
(704) 428-8178
J. Michael Moore, Town Manager
customers: 880
1987 kWh generated: 0
1987 kWh purchased: 41,478,000
1987 kWh sold: 41,478,000
1987 revenues: $2,530,000
established 1928

Monroe, City of*
300 W. Crowell St., Box 69
Monroe, N.C. 28110
(704) 289-8557
James E. Hinkel, City Manager
customers: 7,731
1987 kWh generated: 0
1987 kWh purchased: 364,800,386
1987 kWh sold: 349,903,482
1987 revenues: $20,382,000
established 1898

Morganton, City of†*
201 W. Meeting St.
Morganton, N.C. 28655
(704) 437-8863
Jay Coffey, Electric Utility Manager
customers: 6,878
1987 kWh generated: 0
1987 kWh purchased: 244,326,000
1987 kWh sold: 229,666,000
1987 revenues: $13,201,000
established 1908

Murphy, City of*
301 Peachtree St., Box 130
Murphy, N.C. 28906
(704) 837-2211
John Carringer, Manager
customers: 3,059
1987 kWh generated: 0
1987 kWh purchased: 132,103,363 (TVA)
1987 kWh sold: 125,244,382
1987 revenues: $7,050,000
established 1922

New Bern, City of*
City Hall
New Bern, N.C. 28560
(919) 633-5161
Charles H. Kimbrell, Director
customers: 14,389
1987 kWh generated: 0
1987 kWh purchased: 328,681,218
1987 kWh sold: 318,392,690
1987 revenues: $22,323,000
established 1906

New River Light & Power Co.*
Winkler's Creek Road, Box 1130
Boone, N.C. 28607
(704) 264-3641
Donald R. Austin, General Manager
customers: 5,891
nameplate capacity (kW): hydro 200
1987 kWh generated: 0
1987 kWh purchased: 157,466,400
1987 kWh sold: 150,849,377
1987 revenues: $9,244,000
established 1915

Newton, City of*
401 N. Main Ave., Box 550
Newton, N.C. 28658
(704) 464-1282
D. Kelly Almond, City Manager
customers: 3,620
1987 kWh generated: 0
1987 kWh purchased: 79,780,486
1987 kWh sold: 75,658,672
1987 revenues: $5,348,000

Oak City, Town of
Box 298
Oak City, N.C. 27857
(919) 798-7721
Laurie D. Joyner, Clerk
customers: 243
1987 kWh generated: 0
1987 kWh purchased: 3,291,040
1987 kWh sold: 2,557,878
1987 revenues: $204,000

Pikeville, Town of*
Box 9
Pikeville, N.C. 27863
(919) 242-5126
Robert W. Davy, Town Administrator
customers: 555
1987 kWh generated: 0
1987 kWh purchased: 8,422,593
1987 kWh sold: 7,115,662
1987 revenues: $471,000
established 1934

Pinetops, Town of*
Drawer C
Pinetops, N.C. 27864
(919) 827-4435
Milton Carlton, Clerk
customers: 719
1987 kWh generated: 0
1987 kWh purchased: 14,075,840
1987 kWh sold: 13,372,048
1987 revenues: $1,157,000
established 1925

Pineville, Town of*
118 College St.
Pineville, N.C. 28134
(704) 889-2291
Mary Ann Creech, Town Administrator
customers: 1,577
1987 kWh generated: 0
1987 kWh purchased: 26,553,204
1987 kWh sold: 24,127,316
1987 revenues: $1,923,000
established 1934

Red Springs, Town of*
217 S. Main St.
Red Springs, N.C. 28377
(919) 843-5241
Paul Morrison, Superintendent
customers: 1,653
1987 kWh generated: 0
1987 kWh purchased: 29,093,012
1987 kWh sold: 24,071,226
1987 revenues: $1,880,000
established 1920

Robersonville, City of*
Box 487
Robersonville, N.C. 27871
(919) 795-3511
Ralph S. Mobley, Town Administrator
customers: 1,238
1987 kWh generated: 0
1987 kWh purchased: 33,073,361
1987 kWh sold: 28,411,791
1987 revenues: $8,411,791
established 1935

Rocky Mount, City of*
1 Government Plaza, Drawer 1180
Rocky Mount, N.C. 27801
(919) 972-1111
William G. Sherk, Director of Public Utilities
customers: 26,735
1987 kWh generated: 0
1987 kWh purchased: 693,985,963
1987 kWh sold: 679,954,729
1987 revenues: $44,320,000
established 1902

Scotland Neck, Town of*
1310 Main St., Box 537
Scotland Neck, N.C. 27874
(919) 826-3152
Rick Beasley, Town Administrator
customers: 1,590
1987 kWh generated: 0
1987 kWh purchased: 27,879,826
1987 kWh sold: 24,129,406
1987 revenues: $2,011,000

Selma, Town of*
100 N. Raiford St.
Selma, N.C. 27576
(919) 965-9841
Fred Murray, Electric Superintendent
customers: 2,104
1987 kWh generated: 0
1987 kWh purchased: 45,058,591
1987 kWh sold: 39,611,283
1987 revenues: $2,903,000

Sharpsburg, City of*
Box 305
Sharpsburg, N.C. 27878
(919) 446-9441
Wayne Cochran, Town Superintendent
customers: 1,086
1987 kWh generated: 0
1987 kWh purchased: 16,371,000
1987 kWh sold: 15,143,175
1987 revenues: $1,075,000
established 1920

Shelby, City of*
City Hall, Box 207
Shelby, N.C. 28150
(704) 482-7367
Smith Lingerfelt, Superintendent
customers: 7,449
1987 kWh generated: 0
1987 kWh purchased: 164,077,853
1987 kWh sold: 164,077,853
1987 revenues: $11,127,000
established 1913

Smithfield, Town of*
116 S. Fourth St., Box 761
Smithfield, N.C. 27577
(919) 934-2116
Tony Robertson, Town Manager
customers: 4,221
1987 kWh generated: 0
1987 kWh purchased: 102,776,519
1987 kWh sold: 97,375,690
1987 revenues: $6,596,000

Southport, City of*
201 E. Moore St.
Southport, N.C. 28461
(919) 457-6911
Nelson Smith, City Manager
customers: 1,922
1987 kWh generated: 0
1987 kWh purchased: 36,610,692
1987 kWh sold: 32,373,124
1987 revenues: $2,884,000
established 1910

Stantonsburg, Town of*
108 E. Commercial Ave., Box 10
Stantonsburg, N.C. 27883
(919) 238-3608
Roland L. Gardner, Town Manager
customers: 982
1987 kWh generated: 0
1987 kWh purchased: 14,842,893
1987 kWh sold: 13,531,842
1987 revenues: $1,178,000
established 1928

Statesville, City of*
915 Winston Ave., Box 1111
Statesville, N.C. 28677
(704) 873-7729
Larry M. Cranford, Director
customers: 11,932
1987 kWh generated: 0
1987 kWh purchased: 347,497,927
1987 kWh sold: 320,308,613
1987 revenues: $22,594,000
established 1889

Tarboro, Town of*
500 Main St., Box 220
Tarboro, N.C. 27886
(919) 823-8121
Ricky Page, Director
customers: 6,313
1987 kWh generated: 0
1987 kWh purchased: 212,633,297
1987 kWh sold: 194,562,327
1987 revenues: $13,609,000
established 1898

Wake Forest, Town of*
400 E. Elm St.
Wake Forest, N.C. 27587
(919) 556-2024
Jerry A. Walters, Town Administrator
customers: 2,328
1987 kWh generated: 0
1987 kWh purchased: 44,530,823
1987 kWh sold: 40,472,574
1987 revenues: $3,288,000
established 1915

Walstonburg, Town of*
N. Wilson St., Box 126
Walstonburg, N.C. 27888
(919) 753-5667
W. S. Warren, Maintenance Superintendent
customers: 121
1987 kWh generated: 0
1987 kWh purchased: 2,036,065
1987 kWh sold: 1,735,865
1987 revenues: $166,000

Washington, City of*
102 E. Second St.
Washington, N.C. 27889
(919) 946-1033
Bruce Radford, City Manager
customers: 9,802
1987 kWh generated: 0
1987 kWh purchased: 204,164,466
1987 kWh sold: 188,693,237
1987 revenues: $14,363,000
established 1910

Waynesville, City of
106 S. Main St.
Waynesville, N.C. 28786
(704) 456-3515
John Yarborough, Superintendent
customers: 3,208
1987 kWh generated: 0
1987 kWh purchased: 51,736,155
1987 kWh sold: 45,301,727
1987 revenues: $3,504,000

Wilson, City of*
122 N. Goldsboro St.
Wilson, N.C. 27893
(919) 291-8111
Cyrus L. Brooks, City Manager
customers: 27,792
1987 kWh generated: 0
1987 kWh purchased: 836,762,652
1987 kWh sold: 801,075,206
1987 revenues: $48,849,000
established 1892

Windsor, Town of
Box 508
Windsor, N.C. 27983
(919) 794-2331
David Overton, Administrator
customers: 1,506
1987 kWh generated: 0
1987 kWh purchased: 32,140,153
1987 kWh sold: 30,231,021
1987 revenues: $2,188,000
established 1920

Winterville, City of*
Box 431
Winterville, N.C. 28590
(919) 756-2221
Elwood Nobles, Town Clerk
customers: 1,196
1987 kWh generated: 0
1987 kWh purchased: 20,731,938
1987 kWh sold: 18,841,938
1987 revenues: $1,354,000
established 1890

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

NORTH DAKOTA

Cavalier, City of†*
Box B
Cavalier, N.D. 58220
(701) 265-8668
Robert Kihne, Manager
customers: 878
nameplate capacity (kW): oil 800
1987 kWh generated: 0
1987 kWh purchased: 19,246,269
1987 kWh sold: 18,051,461
1987 revenues: $714,000
established 1928

Grafton, City of*
5 E. Fourth St., Box 578
Grafton, N.D. 58237
(701) 352-2180
Bruce Lenz, Power Superintendent
customers: 2,738
nameplate capacity (kW): oil 4,600
1987 kWh generated: 0
1987 kWh purchased: 60,262,634
1987 kWh sold: 54,149,182
1987 revenues: $2,198,000
established 1890

Hillsboro, City of†*
204 Second Ave. N.W.
Hillsboro, N.D. 58045
(701) 436-4620
Carl Tessin, Superintendent
customers: 1,016
1987 kWh generated: 0
1987 kWh purchased: 17,894,000
1987 kWh sold: 16,465,000
1987 revenues: $732,000

Hope Municipal Utilities
1 Main St., Box 189
Hope, N.D. 58046
(701) 945-2772
Peggy Metzger, City Auditor
customers: 190
1987 kWh generated: 0
1987 kWh purchased: 4,500,760
1987 kWh sold: 4,397,000
1987 revenues: $141,709
established 1920

Lakota, City of†*
Box 505
Lakota, N.D. 58344
(701) 247-2454
Arlene Clauson, Mayor
customers: 501
nameplate capacity (kW): oil 1,000
1987 kWh generated: 0
1987 kWh purchased: 11,765,414
1987 kWh sold: 9,433,270
1987 revenues: $408,000
established 1930

Maddock, City of*
Second St. and Dakota Ave.
Maddock, N.D. 58348
(701) 438-2252
Frank Mosser, Superintendent
customers: 325
1987 kWh generated: 0
1987 kWh purchased: 5,161,608
1987 kWh sold: 4,360,570
1987 revenues: $328,000

Northwood, City of†*
Box 397
Northwood, N.D. 58267
(701) 587-6291
Art Johnson, City Superintendent
customers: 578
nameplate capacity (kW): oil 1,811
1987 kWh generated: 0
1987 kWh purchased: 12,758,597
1987 kWh sold: 11,894,458
1987 revenues: $658,000
established 1912

Park River, City of
Box C
Park River, N.D. 58270
(701) 284-6399
Russell Lien, Superintendent
customers: 860
nameplate capacity (kW): oil 700
1987 kWh generated: 0
1987 kWh purchased: 20,338,000
1987 kWh sold: 17,592,000
1987 revenues: $725,000
established 1901

Sharon, City of
Sharon, N.D. 58277
(701) 524-2377
Gary Johnson, Mayor
customers: 75
1987 kWh generated: 0
1987 kWh purchased: 1,633,000
1987 kWh sold: 1,333,000
1987 revenues: $48,000

Stanton, City of
109 Harmon Ave.
Stanton, N.D. 58571
(701) 745-3202
Raymond Brown, Maintenance Supervisor
customers: 250
1987 kWh generated: 0
1987 kWh purchased: 3,865,200
1987 kWh sold: 3,531,100
1987 revenues: $311,000
established 1974

Valley City Municipal Utilities†*
254 Second Ave. N.E.
Valley City, N.D. 58072
(701) 845-0380
Leroy J. Neubauer, Superintendent
customers: 4,100
nameplate capacity (kW): oil 2,720
1987 kWh generated: 0
1987 kWh purchased: 83,354,000
1987 kWh sold: 75,130,000
1987 revenues: $2,601,000
established 1897

OHIO

Amherst, City of
647 Park Ave.
Amherst, Ohio 44001
(216) 984-2146
Donald Woodings, Superintendent
customers: 3,627
nameplate capacity: unavailable
1987 kWh generated: 58,284,000
1987 kWh purchased: 0
1987 kWh sold: 54,080,721
1987 revenues: $3,269,000

Arcadia, City of
104 Gibson St.
Arcadia, Ohio 44804
(419) 894-6009
David Noel, Village Administrator
customers: 278
1987 kWh generated: 0
1987 kWh purchased: 3,648,000
1987 kWh sold: 3,499,759
1987 revenues: $191,000

Arcanum, City of
104 W. South St.
Arcanum, Ohio 45304
(513) 692-8565
Michael Clark, Superintendent
customers: 1,312
nameplate capacity (kW): oil 1,300
1987 kWh generated: 2,540
1987 kWh purchased: 20,203,142
1987 kWh sold: 16,931,512
1987 revenues: $973,000
established 1905

Beach City, City of*
301 N. Church Ave.
Beach City, Ohio 44608
(216) 756-2682
Robert Raff, Superintendent
customers: 766
1987 kWh generated: 0
1987 kWh purchased: 7,410,000
1987 kWh sold: 6,578,581
1987 revenues: $436,000
established 1919

Bethel, City of
120 N. Main St.
Bethel, Ohio 45106
(513) 734-2243
Dennis Barton, Superintendent
customers: 1,336
1987 kWh generated: 0
1987 kWh purchased: 21,310,445
1987 kWh sold: 19,400,379
1987 revenues: $1,312,000
established 1904

Blanchester Board of Public Affairs
Blanchester, Ohio 45107
(513) 783-2141
Donald Walker, Director of Utilities
customers: 1,900
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1895

Bloomdale, Village of*
Box 218
Bloomdale, Ohio 44817
(419) 454-2941
Ray Taylor, Village Administrator
customers: 296
1987 kWh generated: 0
1987 kWh purchased: 3,307,182
1987 kWh sold: 2,922,442
1987 revenues: $184,000

Bowling Green, City of*
304 N. Church St., Box 388
Bowling Green, Ohio 43402
(419) 354-6246
Daryl D. Stockburger, Utilities Director
customers: 10,188
1987 kWh generated: 0
1987 kWh purchased: 268,445,871
1987 kWh sold: 249,429,474
1987 revenues: $11,577,000
established 1942

Bradner, Village of
Box 536
Bradner, Ohio 43405
(419) 288-2773
Rick Fairbanks, Electrical Supervisor
customers: 510

1987 kWh generated: 0
1987 kWh purchased: 6,918,000
1987 kWh sold: 5,997,000
1987 revenues: $380,000

Brewster, City of
910 S. Wabash Ave., Box 86
Brewster, Ohio 44613
(216) 767-3312
Leland Heath, Superintendent
customers: 886
1987 kWh generated: 0
1987 kWh purchased: 23,484,746
1987 kWh sold: 22,744,746
1987 revenues: $1,033,000
established 1912

Bryan, City of*
841 E. Edgerton St.
Bryan, Ohio 43506
(419) 636-4232
Stanley K. Day, Director of Utilities
customers: 4,435
nameplate capacity (kW): oil 2,500; gas 40,300
1987 kWh generated: 919,100
1987 kWh purchased: 163,932,294
1987 kWh sold: 157,406,513
1987 revenues: $7,933,000
established 1898

Carey, Village of*
127 N. Vance St.
Carey, Ohio 43316
(419) 396-7681
Alden Hatch, Village Administrator
customers: 1,615
1987 kWh generated: 0
1987 kWh purchased: 74,029,616
1987 kWh sold: 71,473,137
1987 revenues: $3,142,000
established 1909

Celina, City of†*
426 W. Market St., Box 297
Celina, Ohio 45822
(419) 586-6464
Thomas A. Schwartz, Director of Public Service
customers: 6,432
nameplate capacity (kW): coal 12,500
1987 kWh generated: 0
1987 kWh purchased: 134,301,518
1987 kWh sold: 124,527,842
1987 revenues: $5,801,000
established 1900

Cleveland, City of*
1201 Lakeside Ave.
Cleveland, Ohio 44114
(216) 664-2000
George Pofok, Commissioner
customers: 50,197
nameplate capacity (kW): gas 48,000
1987 kWh generated: 5,793,500
1987 kWh purchased: 675,445,510
1987 kWh sold: 620,066,330
1987 revenues: $43,139,000
established 1906

Clyde Municipal Electric Department*
222 N. Main St.
Clyde, Ohio 43410
(419) 547-0575
Dennis Benesh, Superintendent
(Clyde residents voted in November 1987 to reestablish their public power system, which was sold to Toledo Edison Co. in 1965. The utility expects to begin serving customers in 1989.)

Columbiana, Village of
28 W. Friend St.
Columbiana, Ohio 44408
(216) 482-2173
Albert E. Wardingley, Village Manager
customers: 2,399
1987 kWh generated: 0
1987 kWh purchased: 39,741,438
1987 kWh sold: 34,413,854
1987 revenues: $2,134,000

Columbus, City of†*
90 W. Broad St.
Columbus, Ohio 43215
(614) 222-8371
Henry A. Bell, Administrator
customers: 8,381
nameplate capacity (kW): gas 15,000; coal 42,000; other 90,000
1987 kWh generated: 432,288,000
1987 kWh purchased: 87,085,758
1987 kWh sold: 436,374,798
1987 revenues: $24,362,000
established 1898

Custar, City of
9063 High St.
Custar, Ohio 43511
(419) 669-3537
Barbara Clink, Clerk
customers: 117
1987 kWh generated: 0
1987 kWh purchased: 3,220,000
1987 kWh sold: 3,220,000
1987 revenues: $767,000

Cuyahoga Falls, City of*
2550 Bailey Road
Cuyahoga Falls, Ohio 44221
(216) 923-9921
John A. Stewart Jr., Superintendent
customers: 19,007
1987 kWh generated: 0
1987 kWh purchased: 258,192,000
1987 kWh sold: 231,179,882
1987 revenues: $15,431,000
established 1899

Cygnet, Village of*
Box 406
Cygnet, Ohio 43413
(419) 655-2536
Tom Strickland, Superintendent
customers: 250
1987 kWh generated: 0
1987 kWh purchased: 2,490,599
1987 kWh sold: 2,114,530
1987 revenues: $174,000
established 1916

Deshler Municipal Utilities*
101 E. Main St.
Deshler, Ohio 43516-1263
(419) 278-1831
Willis Schwiebert, Superintendent
customers: 993
1987 kWh generated: 0
1987 kWh purchased: 18,507,100
1987 kWh sold: 15,869,191
1987 revenues: $867,614
established 1916

Dover, City of
303 E. Broadway
Dover, Ohio 44622
(216) 343-7725
William J. English, Service Director
customers: 5,707
nameplate capacity (kW): oil 2,700; coal 33,000
1987 kWh generated: 61,026,200
1987 kWh purchased: 104,389,200
1987 kWh sold: 159,535,000
1987 revenues: $6,200,000
established 1900

Edgerton, Village of*
Box 609
Edgerton, Ohio 43517
(419) 298-2912
Dale A. Mathys, Village Administrator
customers: 876
1987 kWh generated: 0
1987 kWh purchased: 18,704,400
1987 kWh sold: 16,928,330
1987 revenues: $935,000
established 1937

Eldorado, City of
200 N. Main St.
Eldorado, Ohio 45321
(513) 273-8705
James Eyer, Superintendent
customers: 245
1987 kWh generated: 0
1987 kWh purchased: 3,008,619
1987 kWh sold: 2,570,000
1987 revenues: $190,000
established 1940

Elmore, Village of
340 Clinton St.
Elmore, Ohio 43416
(419) 862-3454
Merle Harder, Superintendent
customers: 754
1987 kWh generated: 0
1987 kWh purchased: 7,394,547
1987 kWh sold: 6,331,546
1987 revenues: $450,000
established 1911

Galion, City of*
700 Primrose St.
Galion, Ohio 44833
(419) 468-5520
Charles M. Davis, Superintendent
customers: 5,998
1987 kWh generated: 0
1987 kWh purchased: 101,544,000
1987 kWh sold: 92,391,627
1987 revenues: $5,130,000

Genoa, Village of
102 E. Sixth St.
Genoa, Ohio 43430
(419) 855-8419
William Bauer, Superintendent
customers: 895
1987 kWh generated: 0
1987 kWh purchased: 13,022,357
1987 kWh sold: 11,194,210
1987 revenues: $878,000
established 1925

Georgetown, Village of
301 S. Main St.
Georgetown, Ohio 45121
(513) 378-6395
Milford Fisher, Village Administrator
customers: 1,556
1987 kWh generated: 0
1987 kWh purchased: 29,621,907
1987 kWh sold: 25,347,264
1987 revenues: $1,798,000

Glouster, Village of
16 Front St.
Glouster, Ohio 45732
(614) 767-3497
Rita A. Eing, Clerk
customers: 995
1987 kWh generated: 0
1987 kWh purchased: 7,833,270
1987 kWh sold: 7,015,780
1987 revenues: $544,000
established 1924

Grafton, Village of*
1009 Chestnut St.
Grafton, Ohio 44044
(216) 946-2401
Stanley C. Pijor, Village Administrator
customers: 881
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Greenwich, Village of
47 Main St.
Greenwich, Ohio 44837
(419) 752-7425
Mike King, Administrator
customers: 633
1987 kWh generated: 0
1987 kWh purchased: 11,006,400
1987 kWh sold: 9,825,575
1987 revenues: $547,000

Hamersville, Village of
Bank and Wooster
Hamersville, Ohio 45130
(513) 379-1745
Debra Ginn, Clerk/Treasurer
customers: 265
1987 kWh generated: 0
1987 kWh purchased: 3,471,191
1987 kWh sold: 3,000,286
1987 revenues: $194,000

Hamilton!, City of*
20 High St.
Hamilton!, Ohio 45011
(513) 868-5908
E. Leon Daggett, Director of Public Utilities
customers: 25,927
nameplate capacity (kW): gas 50,500; coal 101,000; hydro 750
1987 kWh generated: 221,959,000
1987 kWh purchased: 250,598,000
1987 kWh sold: 438,089,000
1987 revenues: $33,242,000
established 1929

Haskins, Village of
100 N. Church St., Box 236
Haskins, Ohio 43525
(419) 823-5911
Frank Enright, Chief Electrician
customers: 265
1987 kWh generated: 0
1987 kWh purchased: 2,235,600
1987 kWh sold: 2,233,550
1987 revenues: $170,000

Hubbard, City of*
13 W. Liberty St.
Hubbard, Ohio 44425
(216) 534-3054
Richard Slifko, Utilities Director
customers: 3,366
1987 kWh generated: 0
1987 kWh purchased: 46,984,000
1987 kWh sold: 41,600,204
1987 revenues: $2,714,000
established 1919

Hudson, City of
27 E. Main St.
Hudson, Ohio 44236
(216) 650-1052
J. W. Rogers, Director of Electric Utility
customers: 4,773
1987 kWh generated: 0
1987 kWh purchased: 94,656,000
1987 kWh sold: 78,775,386
1987 revenues: $6,028,000
established 1911

Jackson, City of*
Box 664
Jackson, Ohio 45640
(614) 286-4415
William McManis, Superintendent
customers: 3,970
1987 kWh generated: 0
1987 kWh purchased: 53,801,577
1987 kWh sold: 43,346,632
1987 revenues: $3,102,000
established 1890

Jackson Center, Village of*
122 E. Pike St.
Jackson Center, Ohio 45334
(513) 596-5440
Richard D. Sailor, Village Administrator
customers: 599
1987 kWh generated: 0
1987 kWh purchased: 14,791,810
1987 kWh sold: 13,416,972
1987 revenues: $717,000
established 1920

Lakeview, Village of
126 N. Main St.
Lakeview, Ohio 43331
(513) 843-2851
Beatrice E. Schaub, Clerk
customers: 969
1987 kWh generated: 0
1987 kWh purchased: 9,187,311
1987 kWh sold: 7,970,655
1987 revenues: $507,000
established 1912

Lebanon, City of†*
50 S. Broadway
Lebanon, Ohio 45036
(513) 932-3969
Robert Newton, Electric Superintendent
customers: 5,273
nameplate capacity (kW): oil 17,000, gas 19,790
1987 kWh generated: 18,000
1987 kWh purchased: 96,305,642
1987 kWh sold: 88,100,412
1987 revenues: $5,035,000
established 1898

Lodi, City of†*
108 Ainsworth St.
Lodi, Ohio 44254
(216) 948-1099
Harold Weitzel, Superintendent
customers: 1,675
1987 kWh generated: 0
1987 kWh purchased: 27,260,128
1987 kWh sold: 25,918,113
1987 revenues: $1,442,000
established 1942

Lucas, City of
Box 213
Lucas, Ohio 44843
(419) 892-2178
Al Briner, Village Administrator
customers: 360
1987 kWh generated: 0
1987 kWh purchased: 3,563,400
1987 kWh sold: 3,209,987
1987 revenues: $195,000

Marshallville, City of
Box 227
Marshallville, Ohio 44645
(216) 855-4241
Marilyn Hardgrove, Clerk
customers: 391
1987 kWh generated: 0
1987 kWh purchased: 5,136,000
1987 kWh sold: 4,558,229
1987 revenues: $290,000

Mendon, City of
E. Market St., Box 167
Mendon, Ohio 45862
(419) 795-7131
Randy Stein, Utility Director
customers: 320
1987 kWh generated: 0
1987 kWh purchased: 1,074,879
1987 kWh sold: 3,631,875
1987 revenues: $211,000

Milan, Village of
9 E. Church St.
Milan, Ohio 44846
(419) 499-2133
Larry Doerner, Electrical Superintendent
customers: 661
1987 kWh generated: 0
1987 kWh purchased: 8,544,000
1987 kWh sold: 7,787,226
1987 revenues: $492,000
established 1907

Minster, Village of†*
Box 1
Minster, Ohio 45865
(419) 628-2850
Joseph Bruns, Superintendent
customers: 1,108
1987 kWh generated: 0
1987 kWh purchased: 53,917,000
1987 kWh sold: 49,708,000
1987 revenues: $2,224,000
established 1910

Monroeville, City of†*
2 S. Main St.
Monroeville, Ohio 44847
(419) 465-2922
Joe Gravenhorst, Superintendent
customers: 790
1987 kWh generated: 0
1987 kWh purchased: 28,000,000
1987 kWh sold: 26,000,000
1987 revenues: $1,413,000
established 1906

Montpelier, City of*
211 N. Janesville
Montpelier, Ohio 43543
(419) 485-3693
Donald Olmstead, Superintendent
customers: 1,967
1987 kWh generated: 0
1987 kWh purchased: 38,598,746
1987 kWh sold: 35,633,074
1987 revenues: $1,838,000
established 1893

Napoleon, City of†*
255 Riverview Ave., Box 151
Napoleon, Ohio 43545
(419) 592-4010
Rupert Schweinhagen, Clerk
customers: 4,907
1987 kWh generated: 0
1987 kWh purchased: 120,287,985
1987 kWh sold: 110,559,550
1987 revenues: $7,194,000
established 1894

New Bremen, Village of
214 N. Washington St., Box 27
New Bremen, Ohio 45869
(419) 629-2827
Clarence B. Art, Village Administrator
customers: 1,149
1987 kWh generated: 0
1987 kWh purchased: 42,299,852
1987 kWh sold: 41,044,487
1987 revenues: $1,596,000

New Knoxville Board of Public Affairs
Box 246
New Knoxville, Ohio 45871
(419) 753-2160
Robert Scheblo, Village Administrator
customers: 402
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Newton Falls, City of*
19 N. Canal St.
Newton Falls, Ohio 44444
(216) 872-5990
Dennis Kirkland, Superintendent
customers: 2,205
1987 kWh generated: 0
1987 kWh purchased: 32,424,000
1987 kWh sold: 29,005,194
1987 revenues: $2,018,000

Niles, City of
34 W. State St.
Niles, Ohio 44446
(216) 652-2622
John E. Coughlin, Superintendent of Light
customers: 11,310
1987 kWh generated: 0
1987 kWh purchased: 220,704,000
1987 kWh sold: 192,289,041
1987 revenues: $10,940,000

Oak Harbor, Village of*
146 Church St., Box 232
Oak Harbor, Ohio 43449
(419) 898-3231
Frederick Windisch, Village Administrator
customers: 1,280
1987 kWh generated: 0
1987 kWh purchased: 17,683,331
1987 kWh sold: 15,237,291
1987 revenues: $1,180,000
established 1914

Oberlin, City of†*
289 S. Professor St.
Oberlin, Ohio 44074
(216) 775-1531
Roger B. Merriman, Director
customers: 2,785
nameplate capacity (kW): oil 5,300, gas 8,150
1987 kWh generated: 7,577,926
1987 kWh purchased: 70,776,000
1987 kWh sold: 72,717,277
1987 revenues: $3,443,000
established 1934

Ohio City, Village of
Box 248
Ohio City, Ohio 45874
(419) 965-2429
Debby S. Strickler, Clerk
customers: 500
1987 kWh generated: 0
1987 kWh purchased: 6,866,149
1987 kWh sold: 6,602,067
1987 revenues: $385,000
established 1930

Orrville, City of†*
207 N. Main St.
Orrville, Ohio 44667
(216) 683-8715
Robert A. Nichols, Director of Utilities
customers: 5,340
nameplate capacity (kW): coal 76,000
1987 kWh generated: 210,514,000
1987 kWh purchased: 27,981,000
1987 kWh sold: 193,565,936
1987 revenues: $10,247,000
established 1917

Painesville, City of
325 Richmond St.
Painesville, Ohio 44077
(216) 352-9301
Lester Nero, City Manager
customers: 9,740
nameplate capacity (kW): coal 57,500
1987 kWh generated: 136,637,400
1987 kWh purchased: 40,897,100
1987 kWh sold: 162,106,584
1987 revenues: $9,380,000
established 1888

Pemberville, Village of
115 Main St., Box 109
Pemberville, Ohio 43450
(419) 287-3384
Thomas Appelhans, Electric Superintendent
customers: 612
1987 kWh generated: 0
1987 kWh purchased: 14,139,175
1987 kWh sold: 13,073,772
1987 revenues: $709,000
established 1914

Pioneer, City of
106 First St., Box 335
Pioneer, Ohio 43554
(419) 737-2614
Robin Kurtz, Clerk
customers: 569
1987 kWh generated: 0
1987 kWh purchased: 15,318,808
1987 kWh sold: 14,168,692
1987 revenues: $766,000
established 1912

Piqua, City of†*
123 Bridge St.
Piqua, Ohio 45356
(513) 778-2077
Richard Miller, Director
customers: 9,167
nameplate capacity (kW): oil 20,000, coal 57,813
1987 kWh generated: 95,946,740
1987 kWh purchased: 128,098,000
1987 kWh sold: 210,047,629
1987 revenues: $11,215,000
established 1933

Plymouth, Village of
25 Sandusky St.
Plymouth, Ohio 44865
(419) 687-4331
James C. Root, Village Administrator
customers: 812
1987 kWh generated: 0
1987 kWh purchased: 9,541,294
1987 kWh sold: 9,000,000
1987 revenues: $500,000
established 1910

Prospect Corp.*
139 N. Main St., Box 127
Prospect, Ohio 43342
(614) 494-2115
Kenneth R. Blue, Village Administrator
customers: 626
1987 kWh generated: 0
1987 kWh purchased: 7,753,600
1987 kWh sold: 6,562,930
1987 revenues: $476,000
established 1937

Republic, City of
219 Washington St., Box 68
Republic, Ohio 44867
(419) 585-5981
Nevin Reiter, Board President
customers: 300
1987 kWh generated: 0
1987 kWh purchased: 2,931,292
1987 kWh sold: 2,922,192
1987 revenues: $185,000

Ripley, City of
14 N. Third St.
Ripley, Ohio 45167
(513) 392-4377
Betty Schroth, Clerk
customers: 1,158

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments Program

1987 kWh generated: 0
1987 kWh purchased: 14,284,843
1987 kWh sold: 12,050,044
1987 revenues: $804,000

St. Clairsville, City of
100 Market St.
St. Clairsville, Ohio 43950
(614) 695-1410
Dennis Bigler, Director of Public Service
customers: 2,452
1987 kWh generated: 0
1987 kWh purchased: 35,056,204
1987 kWh sold: 31,820,711
1987 revenues: $1,994,000

St. Marys, City of*
101 E. Spring St.
St Marys, Ohio 45885
(419) 394-3303
J. Douglas Brookhart, Director of Public Service
customers: 3,610
nameplate capacity (kW): oil 2,300, coal 18,500
1987 kWh generated: 45,012,000
1987 kWh purchased: 70,922,868
1987 kWh sold: 108,241,498
1987 revenues: $4,870,000
established 1890

Seville, Village of*
40 W. Main St.
Seville, Ohio 44273
(216) 769-2458
David Johnson, President
customers: 1,158
1987 kWh generated: 0
1987 kWh purchased: 22,869,000
1987 kWh sold: 19,961,312
1987 revenues: $1,445,000
established 1914

Shelby, City of*
23 E. Main St., Box 311
Shelby, Ohio 44875
(419) 342-4085
Daniel Hubert, Assistant Superintendent
customers: 4,499
nameplate capacity (kW): oil 3,000, coal 37,500
1987 kWh generated: 78,219,400
1987 kWh purchased: 15,417,000
1987 kWh sold: 81,598,505
1987 revenues: $3,952,000
established 1892

Shiloh, Village of
12 W. Main St.
Shiloh, Ohio 44878
(419) 896-2011
Farnum Reeder, Village Administrator
customers: 296
1987 kWh generated: 0
1987 kWh purchased: 4,310,593
1987 kWh sold: 3,820,718
1987 revenues: $214,000

South Vienna Corp.
16 N. Urbana
South Vienna, Ohio 45369
(513) 568-4311
John Miller, President
customers: 183
1987 kWh generated: 0
1987 kWh purchased: 3,312,000
1987 kWh sold: 3,077,000
1987 revenues: $242,000

Sycamore, City of
210 S. Sycamore Ave., Box 297
Sycamore, Ohio 44882
(419) 927-4262
Ralph Maenle, Electrical Superintendent
customers: 497
1987 kWh generated: 0
1987 kWh purchased: 10,400,000
1987 kWh sold: 10,400,000
1987 revenues: $843,000
established 1930

Tipp City, City of*
3 E. Main St.
Tipp City, Ohio 45371
(513) 667-6305
Milton J. Eichman, Director of Utility Service
customers: 2,942
1987 kWh generated: 0
1987 kWh purchased: 79,878,151
1987 kWh sold: 69,461,629
1987 revenues: $3,229,000
established 1897

Tontogany, Village of
Tontogany, Ohio 43565
(419) 823-4465
Ralph Wires, President
customers: 190
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1917

Versailles, City of†*
177 N. Center St.
Versailles, Ohio 45380
(513) 526-4191
Ramon Nickol, Superintendent
customers: 1,410
1987 kWh generated: 0
1987 kWh purchased: 32,795,142
1987 kWh sold: 30,257,732
1987 revenues: $1,578,000
established 1901

Wadsworth, City of*
145 High St.
Wadsworth, Ohio 44281
(216) 335-1521
William J. Lyren, Director, Public Service
customers: 8,084
1987 kWh generated: 0
1987 kWh purchased: 162,288,000
1987 kWh sold: 145,889,239
1987 revenues: $8,253,000
established 1903

Wapakoneta, City of*
102 Perry St.
Wapakoneta, Ohio 45895
(419) 738-7713
Lewis Knoch, Superintendent
customers: 4,703
1987 kWh generated: 0
1987 kWh purchased: 119,764,433
1987 kWh sold: 115,710,699
1987 revenues: $5,656,000

Waynesfield, Village of
104 W. Perry St.
Waynesfield, Ohio 45896
(419) 568-1311
Ronald Zimmerman, Superintendent
customers: 410
1987 kWh generated: 0
1987 kWh purchased: 5,313,349
1987 kWh sold: 4,387,719
1987 revenues: $241,000
established 1911

Wellington, City of*
98 Johns St.
Wellington, Ohio 44090
(216) 647-3827
Robert A. Dupee, Director of Utilities
customers: 1,886
1987 kWh generated: 0
1987 kWh purchased: 42,352,000
1987 kWh sold: 37,092,262
1987 revenues: not available
established 1900

Westerville, City of*
21 S. State St.
Westerville, Ohio 43081
(614) 890-8540
Harold E. Clawson, Service Manager
customers: 10,504
1987 kWh generated: 0
1987 kWh purchased: 263,830,489
1987 kWh sold: 252,119,000
1987 revenues: $15,391,000
established 1898

Wharton, Village of
117 W. Sandusky St., Box 266
Wharton, Ohio 43359
(419) 458-3431
Rodger Spath, Clerk/Treasurer
customers: 189
1987 kWh generated: 0
1987 kWh purchased: 2,255,100
1987 kWh sold: 1,697,520
1987 revenues: $118,000
established 1935

Woodsfield Board of Public Affairs*
203 Roy St.
Woodsfield, Ohio 43793
(614) 472-0884
Ellis Smithberger, Superintendent
customers: 1,200
nameplate capacity (kW): oil 8,720
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Woodville, Village of
219 W. Main St.
Woodville, Ohio 43469
(419) 849-3031
James R. Rickard, Village Works Administrator
customers: 850
1987 kWh generated: 0
1987 kWh purchased: 8,978,705
1987 kWh sold: 7,953,830
1987 revenues: $514,000

Yellow Springs, Village of
314 Dayton St.
Yellow Springs, Ohio 45387
(513) 767-7202
Kent Bristol, Village Manager
customers: 1,810
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

OKLAHOMA

Altus, City of†*
220 E. Commerce
Altus, Okla. 73521
(405) 477-1950
Joseph Courtney, City Administrator
customers: 8,843
1987 kWh generated: 0
1987 kWh purchased: 134,956,000
1987 kWh sold: 124,808,341
1987 revenues: $8,099,000
established 1929

Anadarko Public Works Authority
Box 647
Anadarko, Okla. 73005
(405) 247-2481
Robert Williamson, City Manager
customers: 3,200
nameplate capacity (kW): gas 11,100
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Blackwell, City of†*
221 W. Blackwell St., Box 350
Blackwell, Okla. 74631
(405) 363-2121
Joe Dickinson, Electrical Superintendent
customers: 3,946
1987 kWh generated: 0
1987 kWh purchased: 91,014,738
1987 kWh sold: 81,598,422
1987 revenues: $5,300,000
established 1913

Braman, Town of
308 Broadway
Braman, Okla. 74632
(405) 385-2169
DeVern L. Miller, Clerk
customers: 216
1987 kWh generated: 0
1987 kWh purchased: 1,574,000
1987 kWh sold: 1,474,000
1987 revenues: $149,000
established 1924

Burlington, City of
Box 216
Burlington, Okla. 73722
(405) 431-2550
Ray Thompson, Manager
customers: 106
1987 kWh generated: 0
1987 kWh purchased: 1,395,000
1987 kWh sold: 1,222,000
1987 revenues: $117,000
established 1932

Chelsea, Town of
607 Olive St., Box 48
Chelsea, Okla. 74016
(918) 789-2557
Rosa M. Adair, Clerk
customers: 945
1987 kWh generated: 0
1987 kWh purchased: 12,731,750
1987 kWh sold: 10,802,500
1987 revenues: $851,000
established 1914

Claremore, City of
104 S. Muskogee, Box 249
Claremore, Okla. 74018
(918) 341-2895
Bill Nichols, Electrical Supervisor
customers: 7,507
1987 kWh generated: 0
1987 kWh purchased: 181,732,400
1987 kWh sold: 166,188,057
1987 revenues: $9,953,000

Collinsville, City of
Box A
Collinsville, Okla. 74021
(918) 371-2811
Fred Bell, Supervisor, Electric Utility
customers: 1,816
1987 kWh generated: 0
1987 kWh purchased: 25,661,891
1987 kWh sold: 21,814,711
1987 revenues: $1,730,000

Comanche, City of†*
115 N. Second St.
Comanche, Okla. 73529
(405) 439-8832
Richard McClanathan, City Manager
customers: 900

1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1912

Copan, City of†*
Box 219
Copan, Okla. 74022
(918) 352-4114
Jim Morain, City Manager
customers: 398
1987 kWh generated: 0
1987 kWh purchased: 4,809,900
1987 kWh sold: 4,152,445
1987 revenues: $231,000
established 1936

Cordell, City of
101 E. Main St., Box 417
Cordell, Okla. 73632
(405) 832-3825
Jean Smith, Clerk
customers: 1,587
1987 kWh generated: 0
1987 kWh purchased: 23,654,592
1987 kWh sold: 19,301,790
1987 revenues: $1,456,000
established 1910

Cushing, City of
300 N. Seay St.
Cushing, Okla. 74023
(918) 225-0559
Leroy Alsup, City Manager
customers: 4,588
nameplate capacity (kW): oil 24,600
1987 kWh generated: 24,027,880
1987 kWh purchased: 41,844,000
1987 kWh sold: 56,746,238
1987 revenues: $4,065,000
established 1935

Duncan, City of†*
Eighth & Willow Sts., Box 969
Duncan, Okla. 73533
(405) 252-0250
Don Howland, General Manager
customers: 7,381
1987 kWh generated: 0
1987 kWh purchased: 126,236,000
1987 kWh sold: 107,598,505
1987 revenues: $6,831,000
established 1921

Edmond, City of†*
315 S.W. 33rd St.
Edmond, Okla. 73034
(405) 348-8830
Max Speegle, City Manager
customers: 17,653
1987 kWh generated: 0
1987 kWh purchased: 379,468,917
1987 kWh sold: 347,527,170
1987 revenues: $21,831,000
established 1912

Eldorado, City of†*
Box 190
Eldorado, Okla. 73537
(405) 633-2245
Harold Conwell, Utility Superintendent
customers: 440
1987 kWh generated: 0
1987 kWh purchased: 3,193,200
1987 kWh sold: 2,553,200
1987 revenues: $243,000

Fairview, City of
206 E. Broadway, Box 386
Fairview, Okla. 73737
(405) 227-4416
Jim Luckett Jr., City Manager
customers: 1,552
nameplate capacity (kW): oil 3,958
1987 kWh generated: 0
1987 kWh purchased: 26,481,920
1987 kWh sold: 22,622,359
1987 revenues: $1,656,000
established 1908

Fort Supply, Town of
Box 156
Fort Supply, Okla. 73841
(405) 766-3051
June Wilson, Clerk
customers: 206
1987 kWh generated: 0
1987 kWh purchased: 1,937,700
1987 kWh sold: 1,937,700
1987 revenues: $175,000

Frederick, City of†*
Box 399
Frederick, Okla. 73542
(405) 335-7571
Orvel A. Gibson, Assistant City Manager
customers: 2,673
1987 kWh generated: 0
1987 kWh purchased: 52,560,568
1987 kWh sold: 48,052,521
1987 revenues: $3,129,000
established 1917

Geary, City of
515 N. Broadway
Geary, Okla. 73040
(405) 884-5466
Ernest William Allen, Superintendent
customers: 747
1987 kWh generated: 0
1987 kWh purchased: 8,190,400
1987 kWh sold: 6,924,106
1987 revenues: $553,000

Goltry Public Works Authority†*
Main St., Box 236
Goltry, Okla. 73739
(405) 496-2441
Jimmy D. Nichols, Chairman
customers: 182
1987 kWh generated: 0
1987 kWh purchased: 2,369,878
1987 kWh sold: 2,039,948
1987 revenues: $132,000

Grand River Dam Authority*
707 S. Wilson St., Box 409
Vinita, Okla. 74301
(918) 256-5545
Ron Coker, General Manager
customers: 62
nameplate capacity (kW): gas 56,500; coal 1,332,400; hydro 454,100
1987 kWh generated: 4,055,049,140
1987 kWh purchased: 11,488,000
1987 kWh sold: 3,551,246,962
1987 revenues: $101,266,000
established 1935

Granite, City of†*
420 N. Main St., Box 116
Granite, Okla. 73547
(405) 535-2116
E. J. Hahn, Clerk
customers: 580
1987 kWh generated: 0
1987 kWh purchased: 6,764,800
1987 kWh sold: 5,715,617
1987 revenues: $364,000
established 1920

Hominy, City of†*
202 W. Main St., Box 219
Hominy, Okla. 74035
(918) 885-2164
Paul D. O'Keefe, City Administrator
customers: 1,651
1987 kWh generated: 0
1987 kWh purchased: 20,272,000
1987 kWh sold: 16,584,675
1987 revenues: $1,340,000
established 1936

Kaw City, City of
900 Morgan Square E., Box 26
Kaw City, Okla. 74641
(405) 269-2525
Carolyne Goodwin, Clerk
customers: 143
1987 kWh generated: 0
1987 kWh purchased: 1,687,503
1987 kWh sold: 1,212,397
1987 revenues: $115,000

Kingfisher, City of†*
509 E. Wyatt
Kingfisher, Okla. 73750
(405) 375-6823
Nolan Combs, City Manager
customers: 2,602
nameplate capacity (kW): gas 9,100
1987 kWh generated: 94,120
1987 kWh purchased: 38,623,774
1987 kWh sold: 36,218,000
1987 revenues: $2,685,000
established 1900

Laverne, Town of†*
115 N. Ohio St., Box 430
Laverne, Okla. 73848
(405) 947-5515
Jay D. McCoy, Electrical Superintendent
customers: 769
1987 kWh generated: 0
1987 kWh purchased: 8,940,250
1987 kWh sold: 7,495,067
1987 revenues: $679,431

Lexington, City of†*
Drawer D
Lexington, Okla. 73051
(405) 527-6123
Jesse Cooksey, Supervisor
customers: 804
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1951

Lindsay, City of
Box 708
Lindsay, Okla. 73052
(405) 756-2019
Benny Dutton, Director of Public Works
customers: 1,511
nameplate capacity: unavailable
1987 kWh generated: 73,600
1987 kWh purchased: 22,794,630
1987 kWh sold: 18,765,907
1987 revenues: $1,410,000
established 1915

Manchester, City of
Box 5
Manchester, Okla. 73758
(Sold to Oklahoma Gas & Electric Co. in 1988.)
customers: 79
1987 kWh generated: 0
1987 kWh purchased: 846,078
1987 kWh sold: 846,078
1987 revenues: $81,000

Mangum, City of†*
201 N. Oklahoma St.
Mangum, Okla. 73554
(405) 782-2256
City Manager
customers: 2,047
nameplate capacity (kW): gas 7,635
1987 kWh generated: 835,375
1987 kWh purchased: 22,484,642
1987 kWh sold: 19,184,516
1987 revenues: $1,444,000
established 1929

Manitou Light Department
Box 8
Manitou, Okla. 73555
(405) 397-2241
Genevieve Meadows, City Clerk
customers: 308
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Mannford, Town of
Box 327
Mannford, Okla. 74044
(918) 865-4314
Helen Freeman, Office Manager
customers: 794
1987 kWh generated: 0
1987 kWh purchased: 18,274,200
1987 kWh sold: 15,639,447
1987 revenues: $1,105,000

Marlow, City of†*
318 W. Main St., Box 113
Marlow, Okla. 73055
(405) 658-2515
Brant Ball, City Manager
customers: 2,484
nameplate capacity (kW): gas 5,200
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Miami, City of
129 Fifth Ave., N.W., Box 1288
Miami, Okla. 74355
(918) 542-6685
Bob Sherwood, General Manager
customers: 6,991
1987 kWh generated: 0
1987 kWh purchased: 123,811,387
1987 kWh sold: 112,549,016
1987 revenues: $7,130,000
established 1910

Mooreland, City of
Box 157
Mooreland, Okla. 73852
(405) 994-5924
Dean Hensley, Superintendent
customers: 683
1987 kWh generated: 0
1987 kWh purchased: 7,213,300
1987 kWh sold: 7,213,300
1987 revenues: $565,000
established 1908

Newkirk, City of†*
E. 10th St., Box 469
Newkirk, Okla. 74647
(405) 362-2117
David Haynes, City Manager
customers: 1,118
nameplate capacity (kW): gas 8,400
1987 kWh generated: 0
1987 kWh purchased: 14,400,403
1987 kWh sold: 12,300,740
1987 revenues: $1,100,000
established 1918

Okeene Light & Water Department†*
213 N. Main St., Drawer F
Okeene, Okla. 73763
(405) 822-3031
Willadean Hendricks, City Clerk

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

customers: 612
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Olustee, City of†*
Box 330
Olustee, Okla. 73560
(405) 648-2288
Dorothy Clowdus, City Clerk / Treasurer
customers: 316
1987 kWh generated: 0
1987 kWh purchased: 2,945,600
1987 kWh sold: 2,586,995
1987 revenues: $196,000

Orlando, City of
Box 27
Orlando, Okla. 73073
(405) 455-2523
Kathy Golay, Clerk
customers: 85
1987 kWh generated: 0
1987 kWh purchased: 1,077,000
1987 kWh sold: 982,185
1987 revenues: $87,000

Pawhuska, City of†*
Box 539
Pawhuska, Okla. 74056
(918) 287-3260
Tim Burd, Utility Superintendent
customers: 2,351
nameplate capacity (kW): oil 9,600
1987 kWh generated: 58,200
1987 kWh purchased: 32,758,300
1987 kWh sold: 26,001,449
1987 revenues: $2,157,000
established 1907

Pawnee, City of
513 Illinois St.
Pawnee, Okla. 74058
(918) 762-2658
Alford J. Majors, Mayor
customers: 1,250
1987 kWh generated: 0
1987 kWh purchased: 16,000,000
1987 kWh sold: 14,000,000
1987 revenues: $900,000

Perry, City of
624 Delaware, Drawer 798
Perry, Okla. 73077
(405) 336-4241
Charles J. Bezdicek, Manager of Utility
customers: 2,914
1987 kWh generated: 0
1987 kWh purchased: 62,232,800
1987 kWh sold: 49,922,033
1987 revenues: $3,855,000
established 1922

Ponca City, City of†*
Box 1450
Ponca City, Okla. 74602
(405) 765-6653
Charles L. Silvy, Director of Utilities
customers: 15,676
nameplate capacity (kW): oil 5,000, gas 95,500
1987 kWh generated: 1,811,340
1987 kWh purchased: 269,336,790
1987 kWh sold: 245,712,459
1987 revenues: $16,533,000
established 1914

Pond Creek Water & Light Department†*
Box 45
Pond Creek, Okla. 73766
(405) 532-6327
Richard Dillon, Superintendent
customers: 774
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Prague Public Works Authority†*
116 N. Broadway
Prague, Okla. 74864
(405) 567-2279
Charles D. McCormick, City Manager
customers: 1,143
1987 kWh generated: 0
1987 kWh purchased: 16,476,728
1987 kWh sold: 16,035,728
1987 revenues: $974,000
established 1902

Pryor, City of
6 N. Adair, Box 249
Pryor, Okla. 74362
(918) 825-2100
Bob Pierson, General Manager
customers: 4,021
1987 kWh generated: 0
1987 kWh purchased: 69,014,800
1987 kWh sold: 64,000,742
1987 revenues: $4,042,000
established 1951

Purcell, City of
230 W. Main St.
Purcell, Okla. 73080
(405) 527-6561
Robert Collings, City Manager
customers: 2,083
1987 kWh generated: 0
1987 kWh purchased: 41,188,800
1987 kWh sold: 35,452,557
1987 revenues: $2,300,000

Ryan, Town of†*
Box 489
Ryan, Okla. 73565
(405) 757-2406
Brenda Johnson, Clerk
customers: 581
nameplate capacity (kW): gas 200
1987 kWh generated: 0
1987 kWh purchased: 5,521,950
1987 kWh sold: 4,421,362
1987 revenues: $369,000

Sallisaw, City of
111 N. Elm St., Box C
Sallisaw, Okla. 74955
(918) 775-6241
E. W. Rogers, Clerk
customers: 3,437
1987 kWh generated: 0
1987 kWh purchased: 80,715,600
1987 kWh sold: 79,048,453
1987 revenues: $3,676,000
established 1914

Skiatook, City of
111 N. Broadway
Skiatook, Okla. 74070
(918) 396-2797
Monte Gondles Jr., Town Administrator
customers: 2,070
1987 kWh generated: 0
1987 kWh purchased: 32,739,800
1987 kWh sold: 28,136,602
1987 revenues: $1,870,000
established 1951

South Coffeyville, City of
207 W. Broadway St., Box 100
South Coffeyville, Okla. 74072
(918) 255-6045
Kenneth Garner, Utility Director
customers: 463
1987 kWh generated: 0
1987 kWh purchased: 4,507,630
1987 kWh sold: 4,382,630
1987 revenues: $303,000

Spiro, City of†*
131 S. Main St.
Spiro, Okla. 74959
(918) 962-2470
Rex Butler, Electrician
customers: 1,115
1987 kWh generated: 0
1987 kWh purchased: 14,595,711
1987 kWh sold: 12,406,354
1987 revenues: $702,000

Stillwater Utilities Authority*
Box 1449
Stillwater, Okla. 74076
(405) 372-0025
Joe Jackson, Director
customers: 14,327
nameplate capacity (kW): gas 22,700
1987 kWh generated: 123,906,720
1987 kWh purchased: 221,214,496
1987 kWh sold: 309,685,000
1987 revenues: $19,707,000
established 1901

Stilwell, City of
9 W. Maple St.
Stilwell, Okla. 74960
(918) 696-3400
Larry Eagleton, Superintendent
customers: 1,406
1987 kWh generated: 0
1987 kWh purchased: 44,833,300
1987 kWh sold: 35,872,616
1987 revenues: $1,969,000
established 1952

Stroud, City of
Drawer K
Stroud, Okla. 74079
(918) 968-2571
Jessie Wright, Billing Clerk
customers: 1,305
1987 kWh generated: 0
1987 kWh purchased: 21,215,900
1987 kWh sold: 17,908,716
1987 revenues: $1,296,000
established 1927

Tahlequah Public Works Authority
101 N. College Ave., Box 29
Tahlequah, Okla. 74464
(918) 456-2564
James L. Powell, General Manager
customers: 4,663
1987 kWh generated: 0
1987 kWh purchased: 99,930,300
1987 kWh sold: 87,458,093
1987 revenues: $5,241,000
established 1935

Tecumseh Utility Authority†*
114 N. Broadway
Tecumseh, Okla. 74873
(405) 598-2189
Randy Swinson, City Manager
customers: 2,176
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Tonkawa, City of†*
117 S. Seventh St., Box 467
Tonkawa, Okla. 74653
(405) 628-2508
Lonnie Bray, City Manager
customers: 1,819
nameplate capacity (kW): gas 6,900
1987 kWh generated: 0
1987 kWh purchased: 24,548,627
1987 kWh sold: 21,145,431
1987 revenues: $1,840,000
established 1925

Wagoner Public Works Authority
231 Church St.
Wagoner, Okla. 74467
(918) 485-0554
Alva M. Smith, Supervisor
customers: 3,273
1987 kWh generated: 0
1987 kWh purchased: 69,950,500
1987 kWh sold: 58,952,400
1987 revenues: $3,532,000

Walters, City of†*
129 E. Colorado St.
Walters, Okla. 73572
(405) 875-3337
Buddy Veltema, City Manager
customers: 1,347
1987 kWh generated: 0
1987 kWh purchased: 17,532,854
1987 kWh sold: 14,684,673
1987 revenues: $1,018,000
established 1923

Watonga, City of
Wiegel St., Box 280
Watonga, Okla. 73772
(405) 623-7354
Kenneth Marshall, Superintendent
customers: 1,799
1987 kWh generated: 0
1987 kWh purchased: 26,409,600
1987 kWh sold: 22,366,561
1987 revenues: $1,803,000
established 1907

Waynoka, City of†*
201 E. Cecil St.
Waynoka, Okla. 73860
(405) 824-2261
Marvin Miller, Mayor
customers: 744
1987 kWh generated: 0
1987 kWh purchased: 7,858,344
1987 kWh sold: 6,645,913
1987 revenues: $705,000

Wetumka Municipal Authority†*
202 N. Main
Wetumka, Okla. 74883
(405) 452-3253
Joel Heathcott, City Manager
customers: 825
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1925

Wynnewood Water & Light Department†*
Box 82
Wynnewood, Okla. 73098
(405) 665-4141
Don Harmon, Superintendent
customers: 1,250
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Yale, City of†*
209 N. Main
Yale, Okla. 74085
(918) 387-2406
Carl W. Hensley, City Manager
customers: 740
1987 kWh generated: 0
1987 kWh purchased: 8,862,780
1987 kWh sold: 7,246,507
1987 revenues: $570,000

OREGON

Ashland, City of*
20 E. Main St.
Ashland, Ore. 97520
(503) 482-3211
Brian L. Almquist, City Administrator
customers: 6,884
nameplate capacity: unavailable
1987 kWh generated: 2,056,000
1987 kWh purchased: 135,498,000
1987 kWh sold: 130,325,926
1987 revenues: $5,354,000
established 1909

Bandon, City of*
555 Highway 101, Box 67, Box 67
Bandon, Ore. 97411
(503) 347-2437
Ben McMakin, City Manager
customers: 2,392
1987 kWh generated: 0
1987 kWh purchased: 49,349,801
1987 kWh sold: 46,817,043
1987 revenues: $1,952,000
established 1921

Canby, City of
154 N.W. First St.
Canby, Ore. 97013
(503) 266-1156
Don Godard, Manager
customers: 3,464
1987 kWh generated: 0
1987 kWh purchased: 102,923,930
1987 kWh sold: 98,694,410
1987 revenues: $2,922,000
established 1969

Cascade Locks, City of*
Box 308
Cascade Locks, Ore. 97014
(503) 374-8984
George R. Lewis, City Administrator
customers: 541
1987 kWh generated: 0
1987 kWh purchased: 26,695,827
1987 kWh sold: 25,146,918
1987 revenues: $980,000
established 1939

Central Lincoln People's Utility District*
2129 N. Coast Highway, Box 1126
Newport, Ore. 97365
(503) 265-3211
Roland Nuetzman, General Manager
customers: 28,806
1987 kWh generated: 0
1987 kWh purchased: 1,336,214,291
1987 kWh sold: 1,296,033,470
1987 revenues: $38,877,000
established 1943

Clatskanie People's Utility District*
469 Nehalem
Clatskanie, Ore. 97016
(503) 728-2163
Liston C. Darby, General Manager
customers: 3,092
1987 kWh generated: 0
1987 kWh purchased: 751,629,994
1987 kWh sold: 746,683,437
1987 revenues: $17,088,000
established 1940

Columbia River People's Utility District*
500 Port Ave., Box 1193
St. Helens, Ore. 97051
(503) 397-1844
Fergus Pilon, General Manager
customers: 7,015
1987 kWh generated: 0
1987 kWh purchased: 221,035,675
1987 kWh sold: 216,146,140
1987 revenues: $9,426,000
established 1984

Drain, City of
129 W. C Ave.
Drain, Ore. 97435
(503) 836-2417
Bill Ewing, City Administrator
customers: 624
1987 kWh generated: 0
1987 kWh purchased: 26,922,370
1987 kWh sold: 25,876,636
1987 revenues: $1,016,000
established 1940

Emerald People's Utility District†*
33733 Seavey Loop Road
Eugene, Ore. 97405
(503) 746-1583
Lon Topaz, General Manager
customers: 13,658
1987 kWh generated: 0
1987 kWh purchased: 359,041,204
1987 kWh sold: 336,696,328
1987 revenues: $15,245,000
established 1983

Eugene, City of†*
500 E. Fourth Ave., Box 10148
Eugene, Ore. 97401
(503) 484-2411
Jean Reeder, General Manager
customers: 64,094
nameplate capacity (kW): oil 6,000; hydro 111,465; nuclear 364,800; other 19,000
1987 kWh generated: 388,340,800
1987 kWh purchased 1,768,762,800
1987 kWh sold: 2,221,914,930
1987 revenues: $62,959,000
established 1911

Forest Grove, City of†*
1818 B St., Box 326
Forest Grove, Ore. 97116
(503) 359-3250
Doug Sleeth, Director of Light & Power
customers: 6,327
1987 kWh generated: 0
1987 kWh purchased: 184,284,300
1987 kWh sold: 175,769,184
1987 revenues: $4,380,000
established 1896

McMinnville, City of†*
130 N. Baker St., Box 638
McMinnville, Ore. 97128-0638
(503) 472-6158
John L. Harshman, General Manager
customers: 9,185
1987 kWh generated: 0
1987 kWh purchased: 422,945,256
1987 kWh sold: 408,819,774
1987 revenues: $11,087,000
established 1889

Milton-Freewater, City of*
722 S. Main St., Box 6
Milton-Freewater, Ore. 97862
(503) 938-5531
James A. Swayne, City Manager
customers: 4,236
1987 kWh generated: 0
1987 kWh purchased: 115,262,320
1987 kWh sold: 109,178,160
1987 revenues: $2,667,000
established 1890

Monmouth, City of†*
151 W. Main St.
Monmouth, Ore. 97361
(503) 838-0722
Stan Kenyon, City Manager
customers: 2,593
1987 kWh generated: 0
1987 kWh purchased: 52,686,430
1987 kWh sold: 47,429,729
1987 revenues: $1,619,000

Northern Wasco County People's Utility District†*
401 Court St.
The Dalles, Ore. 97058
(503) 296-2227
Harold E. Haake, Manager
customers: 8,634
1987 kWh generated: 0
1987 kWh purchased: 189,350,631
1987 kWh sold: 182,104,626
1987 revenues: $7,152,000
established 1939

Springfield, City of†*
250 N. A St., Box 300
Springfield, Ore. 97477
(503) 746-8451
Steve L. Loveland, General Manager
customers: 20,866
1987 kWh generated: 0
1987 kWh purchased: 636,893,609
1987 kWh sold: 613,324,958
1987 revenues: $20,828,000
established 1950

Tillamook People's Utility District†*
1115 Pacific Ave.
Tillamook, Ore. 97141-0433
(503) 842-2535
Ronald L. Saville, General Manager
customers: 14,825
1987 kWh generated: 0
1987 kWh purchased: 302,080,895
1987 kWh sold: 281,910,319
1987 revenues: $11,842,000
established 1932

PENNSYLVANIA

Berlin, Borough of
700 North St., Box 115
Berlin, Pa. 15530
(814) 267-3837
Kerry B. Claycomb, Executive Secretary
customers: 905
nameplate capacity (kW): oil 3,592
1987 kWh generated: 0
1987 kWh purchased: 14,694,400
1987 kWh sold: 12,723,940
1987 revenues: $895,000

Blakely, Borough of
1439 Main St.
Peckville, Pa. 18452
(717) 383-3340
Harold J. McCusker Jr., Borough Manager
customers: 3,061
1987 kWh generated: 0
1987 kWh purchased: 31,955,000
1987 kWh sold: 28,794,776
1987 revenues: $2,643,000
established 1895

Catawissa, Borough of
118 N. Third St., Box 44
Catawissa, Pa. 17820
(707) 356-2561
Theodore E. Long, President
customers: 792
1987 kWh generated: 0
1987 kWh purchased: 11,544,800
1987 kWh sold: 10,221,254
1987 revenues: $798,000
established 1928

Chambersburg, Borough of*
100 S. Second St.
Chambersburg, Pa. 17201
(717) 264-5151
Julio D. Lecuona, Manager
customers: 9,483
nameplate capacity: unavailable
1987 kWh generated: 467,640
1987 kWh purchased: 202,626,500
1987 kWh sold: 191,230,324
1987 revenues: $9,192,000
established 1893

Duncannon, Borough of
428 N. High St., Box 9
Duncannon, Pa. 17020
(717) 834-4311
Thomas Evans, Manager
customers: 839
1987 kWh generated: 0
1987 kWh purchased: 8,157,600
1987 kWh sold: 7,533,310
1987 revenues: $559,000
established 1898

East Conemaugh, Borough of
355 First St.
East Conemaugh, Pa. 15909
(814) 539-0193
Bernard Waltz, Superintendent
customers: 761
1987 kWh generated: 0
1987 kWh purchased: 5,327,200
1987 kWh sold: 4,979,080
1987 revenues: $425,000
established 1900

Ellwood City, Borough of
525 Lawrence Ave.
Ellwood City, Pa. 16117
(412) 758-5576
Mary Ann Fleo, Borough Secretary
customers: 4,079
1987 kWh generated: 0
1987 kWh purchased: 36,289,800
1987 kWh sold: 38,103,826
1987 revenues: $3,117,000
established 1901

Ephrata, Borough of†*
114 E. Main St.
Ephrata, Pa. 17522
(717) 733-1277
L. Victor Dickinson, Manager
customers: 5,293
1987 kWh generated: 0
1987 kWh purchased: 104,055,859
1987 kWh sold: 91,969,720
1987 revenues: $6,662,000
established 1902

Girard, Borough of
34 Main Street W.
Girard, Pa. 16417
(814) 774-3012
R. H. Gebhardt, Borough Manager
customers: 1,279
1987 kWh generated: 0
1987 kWh purchased: 27,571,200
1987 kWh sold: 23,779,007
1987 revenues: $1,728,000
established 1900

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

Goldsboro, Borough of
53 N. York St., Box 14
Etters, Pa. 17319
(717) 938-3456
Lee Fishel, Borough Manager
customers: 231
1987 kWh generated: 0
1987 kWh purchased: 1,996,750
1987 kWh sold: 1,764,975
1987 revenues: $164,000
established 1913

Grove City, Borough of*
315 Park St.
Grove City, Pa. 16127
(412) 458-7070
Donald W. McIntire, Electric Superintendent
customers: 2,814
1987 kWh generated: 0
1987 kWh purchased: 42,235,200
1987 kWh sold: 36,453,888
1987 revenues: $2,970,000
established 1908

Hatfield, Borough of
Box 190
Hatfield, Pa. 19440
(215) 855-0781
Leonard T. Perrone, Manager
customers: 1,253
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1930

Hooversville Boro Electric Light Co.
Box 176
Hooversville, Pa. 15936
(814) 798-8001
Judith Shaffer, Borough Secretary
customers: 372
1987 kWh generated: 0
1987 kWh purchased: 3,019,200
1987 kWh sold: 2,754,448
1987 revenues: $232,000

Kutztown, Borough of
211-213 W. Main St.
Kutztown, Pa. 19530
(215) 683-6131
Carl H. Bortz, Secretary
customers: 2,007
1987 kWh generated: 0
1987 kWh purchased: 45,338,175
1987 kWh sold: 42,161,090
1987 revenues: $3,375,000
established 1904

Lansdale, Borough of*
1 Vine St.
Lansdale, Pa. 19446
(215) 368-1691
Ed Olander, Electric Superintendent
customers: 7,716
1987 kWh generated: 0
1987 kWh purchased: 116,463,200
1987 kWh sold: 118,907,500
1987 revenues: $9,215,000
established 1902

Lehighton, Borough of†*
Box 29
Lehighton, Pa. 18235
(215) 377-4002
Carol Clay, Borough Secretary
customers: 2,943
1987 kWh generated: 0
1987 kWh purchased: 37,096,709
1987 kWh sold: 35,160,157
1987 revenues: $2,733,000
established 1940

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

Lewisberry, Borough of
Box 186
Lewisberry, Pa. 17339
(717) 938-1107
Lewis J. Mummert Jr., Chairman, Electric Commission
customers: 141
1987 kWh generated: 0
1987 kWh purchased: 1,641,500
1987 kWh sold: 1,375,290
1987 revenues: $122,000

Middletown, Borough of*
60 W. Emaus St.
Middletown, Pa. 17057
(717) 948-3042
Bruce Hamer, Borough Manager
customers: 3,711
1987 kWh generated: 0
1987 kWh purchased: 75,049,000
1987 kWh sold: 74,551,183
1987 revenues: $2,110,000
established 1906

Mifflinburg, Borough of
333 Chestnut St.
Mifflinburg, Pa. 17844
(717) 966-1013
George M. Streese, Borough Manager
customers: 1,614
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1925

Mont Alto, Borough of
Box 427
Mont Alto, Pa. 17237
(717) 749-5808
Lorraine L. Bumbaugh, Borough Secretary/Treasurer
customers: 505
1987 kWh generated: 0
1987 kWh purchased: 5,212,800
1987 kWh sold: 4,744,937
1987 revenues: $252,000

New Wilmington, Borough of
140 W. Nesnannock Ave.
New Wilmington, Pa. 16142
(412) 946-8167
Edward Garrett, Borough Superintendent
customers: 563
1987 kWh generated: 0
1987 kWh purchased: 14,416,000
1987 kWh sold: 14,416,000
1987 revenues: $1,035,000

Olyphant, Borough of
113 Willow St.
Olyphant, Pa. 18447
(717) 489-2135
Michael S. Ferke, Manager
customers: 2,178
1987 kWh generated: 0
1987 kWh purchased: 20,221,300
1987 kWh sold: 17,061,318
1987 revenues: $1,661,000

Pennsylvania State University
Old Main Building, Room 417
University Park, Pa. 16802
(814) 865-1409
G. W. Schimmel, Director, Electric Operations
customers: 370
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1893

Perkasie, Borough of*
311 S. Ninth St., Box 275
Perkasie, Pa. 18944
(215) 257-5065
Paul A. Leonard, Borough Manager
customers: 2,939
1987 kWh generated: 0
1987 kWh purchased: 41,624,000
1987 kWh sold: 38,663,000
1987 revenues: $3,081,000
established 1900

Pitcairn Municipal Light Plant*
582 6th St.
Pitcairn, Pa. 15140
(412) 372-6500
George H. Myers, Manager
customers: 2,000
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1901

Quakertown, Borough of
15-35 N. Second St.
Quakertown, Pa. 18951
(215) 536-5001
David L. Woglom, Manager/Secretary
customers: 4,005
1987 kWh generated: 0
1987 kWh purchased: 91,033,000
1987 kWh sold: 80,324,354
1987 revenues: $5,018,000
established 1904

Royalton, Borough of
Burd & Dock Sts.
Royalton, Pa. 17057
(717) 944-4831
Bonita Young, Borough Secretary/Treasurer
customers: 388
1987 kWh generated: 0
1987 kWh purchased: 2,836,800
1987 kWh sold: 2,524,692
1987 revenues: $222,000
established 1930

St. Clair, Borough of
39 N. Second St.
St. Clair, Pa. 17970
(717) 429-0640
Donald C. Hosler, Superintendent
customers: 2,088
1987 kWh generated: 0
1987 kWh purchased: 13,000,000
1987 kWh sold: 13,000,000
1987 revenues: $1,060,000
established 1922

Schuylkill Haven, Borough of
39 Dock St.
Schuylkill Haven, Pa. 17972
(717) 385-2841
Donald F. Munch, Borough Manager
customers: 2,819
1987 kWh generated: 0
1987 kWh purchased: 49,280,000
1987 kWh sold: 46,621,000
1987 revenues: $3,252,000

Smethport, Borough of
412 W. Water St.
Smethport, Pa. 16749
(814) 887-5815
William H. Covert Jr., Superintendent
customers: 1,130
1987 kWh generated: 0
1987 kWh purchased: 11,429,000
1987 kWh sold: 10,087,000
1987 revenues: $804,000

Summerhill, Borough of
Box 289
Summerhill, Pa. 15958
(814) 495-5610
Charles L. Tremel, President
customers: 302
1987 kWh generated: 0
1987 kWh purchased: 2,499,200
1987 kWh sold: 2,398,080
1987 revenues: $208,000

Wampum, Borough of
Box 65
Wampum, Pa. 16157
(412) 535-8241
Milton Cody, Council President
customers: 370
1987 kWh generated: 0
1987 kWh purchased: 3,448,800
1987 kWh sold: 3,140,525
1987 revenues: $230,000
established 1910

Watsontown, Borough of
4th & Main Sts., Box 273
Watsontown, Pa. 17777
(717) 538-1000
Walter H. Guthrie, Acting Borough Manager
customers: 1,047
1987 kWh generated: 0
1987 kWh purchased: 16,298,400
1987 kWh sold: 15,396,586
1987 revenues: $1,263,000

Weatherly, Borough of*
10 Wilbur St.
Weatherly, Pa. 18255
(717) 427-8640
Beverly E. Knepper, Borough Manager
customers: 1,083
1987 kWh generated: 0
1987 kWh purchased: 19,607,038
1987 kWh sold: 18,236,883
1987 revenues: $1,296,728

Zelienople, Borough of
111 W. New Castle St.
Zelienople, Pa. 16063
(412) 452-6610
Dennis Dambaugh, Superintendent
customers: 1,949
1987 kWh generated: 0
1987 kWh purchased: 22,656,000
1987 kWh sold: 20,013,699
1987 revenues: $1,461,000

PUERTO RICO

Puerto Rico Electric Power Authority*
Ponce De Leon Ave. 1110, Box 4267
San Juan, Puerto Rico 00936
(809) 725-4232
Carlos M. Alvarado, Executive Director
customers: 1,105,362
nameplate capacity (kW): oil 4,066,200; hydro 96,700
1987 kWh generated: 12,879,643,868
1987 kWh purchased: 0
1987 kWh sold: 11,469,190,000
1987 revenues: $964,243,000
established 1941

RHODE ISLAND

Pascoag Fire District
33 S. Main St.
Pascoag, R.I. 02859
(401) 568-6222
Howard C. Peters, General Manager
customers: 3,562
1987 kWh generated: 0
1987 kWh purchased: 31,269,900

1987 kWh sold: 27,975,794
1987 revenues: $2,846,000
established 1887

SOUTH CAROLINA

Abbeville Water & Electric Plant*
Box 639
Abbeville, S.C. 29620
(803) 459-5058
M. G. Moorhead, Utilities Director
customers: 3,132
nameplate capacity (kW): oil 1,100; hydro 2,600
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1905

Bamberg Board of Public Works
619 N. Main St., Box 300
Bamberg, S.C. 29003
(803) 245-5128
Bruce Ellis, General Manager
customers: 1,634
1987 kWh generated: 0
1987 kWh purchased: 40,854,000
1987 kWh sold: 34,813,000
1987 revenues: $2,125,000
established 1905

Bennettsville, City of
501 E. Main St.
Bennettsville, S.C. 29512
(803) 479-9001
John T. Graham, Superintendent
customers: 4,662
nameplate capacity (kW): oil 500
1987 kWh generated: 0
1987 kWh purchased: 83,712,000
1987 kWh sold: 69,891,000
1987 revenues: $5,304,000
established 1903

Camden, City of*
100 Lyttleton St.
Camden, S.C. 29020
(803) 432-2421
Charles Litchfield, Director of Utilities
customers: 9,013
1987 kWh generated: 0
1987 kWh purchased: 147,130,000
1987 kWh sold: 132,699,675
1987 revenues: $10,034,000
established 1947

Clinton Combined Utility Systems*
219 Gary St., Drawer 748
Clinton, S.C. 29325
(803) 833-1350
Steven L. Harrell, City Manager
customers: 4,102
1987 kWh generated: 0
1987 kWh purchased: 112,577,683
1987 kWh sold: 103,917,374
1987 revenues: $6,496,000
established 1907

Due West, Town of
Box 278
Due West, S.C. 29639
(803) 379-2385
Charles H. Hawthorne, Superintendent
customers: 350
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1920

Easley, City of*
202 N. First St., Box 605
Easley, S.C. 29640
(803) 859-4013
Richard S. Hale, Manager
customers: 8,729
1987 kWh generated: 0
1987 kWh purchased: 187,422,521
1987 kWh sold: 174,862,532
1987 revenues: $10,990,000
established 1910

Gaffney, City of*
210 E. Frederick St.
Gaffney, S.C. 29340
(803) 487-7171
Donnie L. Hardin, Office Manager
customers: 8,422
1987 kWh generated: 0
1987 kWh purchased: 165,922,068
1987 kWh sold: 146,573,095
1987 revenues: $7,379,000
established 1907

Georgetown, City of
Box 1146
Georgetown, S.C. 29442
(803) 546-5632
Lonnie L. Pope, Manager of Electric Utility
customers: 4,967
1987 kWh generated: 0
1987 kWh purchased: 113,457,013
1987 kWh sold: 102,543,560
1987 revenues: $5,408,000
established 1920

Greenwood, City of*
Box 549
Greenwood, S.C. 29646
(803) 223-8571
Gerry O. Crawford, Manager
customers: 11,133
1987 kWh generated: 0
1987 kWh purchased: 210,587,400
1987 kWh sold: 199,896,899
1987 revenues: $11,207,000
established 1896

Greer, City of†*
202 W. Poinsett St.
Greer, S.C. 29651
(803) 877-0171
H. Jerry Balding, General Manager
customers: 8,798
1987 kWh generated: 0
1987 kWh purchased: 147,431,893
1987 kWh sold: 135,629,411
1987 revenues: $7,496,000
established 1914

Laurens, City of*
212 Church St., Box 349
Laurens, S.C. 29360
(803) 984-0481
Coleman Smoak Jr., Manager
customers: 5,908
1987 kWh generated: 0
1987 kWh purchased: 89,149,649
1987 kWh sold: 78,682,016
1987 revenues: $4,885,000
established 1922

McCormick, Town of
Box 656
McCormick, S.C. 29835
(803) 465-2224
Benjamin M. Lewis, Acting Supervisor
customers: 900
1987 kWh generated: 0
1987 kWh purchased: 18,614,400
1987 kWh sold: 16,672,750
1987 revenues: $928,000
established 1926

Newberry, City of*
Boyce St., Drawer 538
Newberry, S.C. 29108
(803) 276-0471
Steve D. Reeves Jr., Utilities Director
customers: 4,574
1987 kWh generated: 0
1987 kWh purchased: 128,825,978
1987 kWh sold: 122,171,451
1987 revenues: $7,454,000
established 1923

Orangeburg, City of*
195 Russel St. S.W.
Orangeburg, S.C. 29115
(803) 534-2821
Ted M. Johnson Jr., Manager
customers: 21,720
nameplate capacity: unavailable
1987 kWh generated: 4,032,000
1987 kWh purchased: 606,226,000
1987 kWh sold: 553,117,661
1987 revenues: $30,499,000
established 1898

Prosperity, Town of
Box 36
Prosperity, S.C. 29127
(803) 364-2622
John Taylor, Public Works Director
customers: 523
1987 kWh generated: 0
1987 kWh purchased: 8,096,590
1987 kWh sold: 7,578,527
1987 revenues: $446,000
established 1920

Rock Hill, City of*
155 Johnson St.
Rock Hill, S.C. 29730
(803) 329-5512
Charles A. Owen, Utility Director
customers: 18,807
1987 kWh generated: 0
1987 kWh purchased: 432,646,330
1987 kWh sold: 404,559,023
1987 revenues: $28,654,000
established 1910

Seneca, City of*
N. First St., Box 4773
Seneca, S.C. 29679
(803) 885-2723
Tommy Grant, Interim Director of Utilities
customers: 4,874
1987 kWh generated: 0
1987 kWh purchased: 120,570,960
1987 kWh sold: 112,073,612
1987 revenues: $7,565,000
established 1907

South Carolina Public Service Authority†*
1 Riverwood Drive
Moncks Corner, S.C. 29461
(803) 761-8000
William C. Mescher, President and CEO
customers: 82,618
nameplate capacity (kW): oil 329,400; coal 2,325,000; hydro 218,600; nuclear 301,275
1987 kWh generated: 12,211,436,000
1987 kWh purchased: 0
1987 kWh sold: 11,803,629,114
1987 revenues: $481,099,000
established 1934

Union, City of*
Sharp Ave., Box 886
Union, S.C. 29379
(803) 429-1717
T. D. Sherbert Jr., Director
customers: 6,445
1987 kWh generated: 0
1987 kWh purchased: 108,598,400
1987 kWh sold: 100,815,283
1987 revenues: $5,837,000
established 1897

Westminster, City of*
Box 399
Westminister, S.C. 29693
(803) 647-5071
Mike Lipscomb, Clerk
customers: 1,533
1987 kWh generated: 0
1987 kWh purchased: 25,385,453
1987 kWh sold: 25,270,453
1987 revenues: $1,533,000

Winnsboro, Town of
N. Congress St.
Winnsboro, S.C. 29180
(803) 635-4943
Dewey Bost, Electric Superintendent
customers: 3,910
1987 kWh generated: 0
1987 kWh purchased: 61,941,600
1987 kWh sold: 59,186,567
1987 revenues: $4,187,000
established 1910

SOUTH DAKOTA

Arlington, City of†*
Arlington, S.D. 57212
(605) 983-5911
Curt Tuttle, Superintendent
customers: 480
nameplate capacity (kW): oil 900
1987 kWh generated: 0
1987 kWh purchased: 8,531,907
1987 kWh sold: 7,244,778
1987 revenues: $343,000

Aurora, City of†*
Box 112
Aurora, S.D. 57002
(605) 693-3752
Elaine Waples, Finance Officer
customers: 245
1987 kWh generated: 0
1987 kWh purchased: 2,994,000
1987 kWh sold: 2,751,000
1987 revenues: $147,000
established 1968

Badger, City of
Box 95
Badger, S.D. 57214
(605) 983-5091
Donna Wilson, Clerk
customers: 71
1987 kWh generated: 0
1987 kWh purchased: 1,249,000
1987 kWh sold: 1,120,000
1987 revenues: $30,000
established 1956

Beresford, City of†*
101 N. Third St.
Beresford, S.D. 57004
(605) 763-2008
Richard Satiroff, Electric Superintendent
customers: 1,020
nameplate capacity (kW): oil 1,000
1987 kWh generated: 0
1987 kWh purchased: 14,965,920
1987 kWh sold: 12,957,843
1987 revenues: $588,000
established 1950

Big Stone, City of†*
651 Main St., Box 246
Big Stone, S.D. 57216
(605) 862-8121
Mary Jane Lempka, City Auditor
customers: 362
1987 kWh generated: 0
1987 kWh purchased: 15,684,563
1987 kWh sold: 15,289,409
1987 revenues: $15,289,000

Brookings, City of†*
525 Western Ave., Box 588
Brookings, S.D. 57006
(605) 692-6325
Craig Osvog, General Manager
customers: 6,374
1987 kWh generated: 0
1987 kWh purchased: 142,867,972
1987 kWh sold: 136,860,561
1987 revenues: $5,507,000
established 1899

Bryant, City of
Box 96
Bryant, S.D. 57221
(605) 628-2953
Michaela Ladwig, Mayor
customers: 258
nameplate capacity (kW): oil 279
1987 kWh generated: 0
1987 kWh purchased: 3,421,000
1987 kWh sold: 2,828,000
1987 revenues: $128,000
established 1958

Burke, City of†*
Box 312
Burke, S.D. 57523
(605) 775-2692
Richard N. Bailey, Superintendent
customers: 427
1987 kWh generated: 0
1987 kWh purchased: 6,389,962
1987 kWh sold: 5,519,140
1987 revenues: $250,000
established 1936

Colman, City of†*
Box 54
Colman, S.D. 57017
(605) 534-3611
Svend Iversen, Mayor
customers: 250
1987 kWh generated: 0
1987 kWh purchased: 6,981,883
1987 kWh sold: 6,429,730
1987 revenues: $303,000
established 1965

Elk Point, City of
Box 280
Elk Point, S.D. 57025
(605) 356-2631
Robert L. Eslick, Superintendent
customers: 630
nameplate capacity (kW): oil 4,000
1987 kWh generated: 0
1987 kWh purchased: 10,728,052
1987 kWh sold: 9,469,670
1987 revenues: $683,000
established 1918

Estelline, City of†*
Box 278
Estelline, S.D. 57234
(605) 873-2388
Connie Jensen, Clerk
customers: 325
nameplate capacity (kW): oil 2,000
1987 kWh generated: 0
1987 kWh purchased: 6,597,042
1987 kWh sold: 6,258,101
1987 revenues: $227,000

Faith, City of†*
Box 368
Faith, S.D. 57626
(605) 967-2261
J. R. Holloway, Mayor
customers: 276
1987 kWh generated: 0
1987 kWh purchased: 5,982,143
1987 kWh sold: 4,924,294
1987 revenues: $271,000

Flandreau, City of†*
136 Second Ave. E.
Flandreau, S.D. 57028
(605) 997-2848
Don Johnston, Superintendent
customers: 1,176
nameplate capacity (kW): oil 4,000
1987 kWh generated: 0
1987 kWh purchased: 19,056,038
1987 kWh sold: 16,238,204
1987 revenues: $704,000
established 1938

Fort Pierre, City of†*
40 E. 2nd St., Box 700
Fort Pierre, S.D. 57532
(605) 223-2508
James Hauge, City Superintendent
customers: 839
1987 kWh generated: 0
1987 kWh purchased: 15,326,388
1987 kWh sold: 13,431,211
1987 revenues: $620,000
established 1900

Groton, City of†*
209 N. Main St.
Groton, S.D. 57445
(605) 397-8422
David Anderson, Electrical Superintendent
customers: 567
1987 kWh generated: 0
1987 kWh purchased: 10,471,104
1987 kWh sold: 9,289,092
1987 revenues: $414,000
established 1921

Hecla, City of†*
Box 188
Hecla, S.D. 57446
(605) 994-2333
Delwyn Tisher, Superintendent
customers: 298
nameplate capacity (kW): oil 1,000
1987 kWh generated: 0
1987 kWh purchased: 3,539,529
1987 kWh sold: 2,960,532
1987 revenues: $121,000

Howard, City of†*
100 S. Main, Box 705
Howard, S.D. 57349
(605) 772-5701
Bernard Mengenhausen, General Superintendent
customers: 637
nameplate capacity (kW): oil 500
1987 kWh generated: 0
1987 kWh purchased: 10,800,596
1987 kWh sold: 9,191,428
1987 revenues: $368,000

Langford, Town of
Box 191
Langford, S.D. 57454
(605) 493-6772
Dennis Nelson, Town President
customers: 177
1987 kWh generated: 0
1987 kWh purchased: 2,278,951
1987 kWh sold: 1,973,550
1987 revenues: $88,000
established 1935

Madison, City of†*
116 W. Center St.
Madison, S.D. 57042
(605) 256-4586
Virgil Schoeberl, Superintendent
customers: 3,081
nameplate capacity (kW): oil 7,000
1987 kWh generated: 0
1987 kWh purchased: 55,784,300
1987 kWh sold: 50,987,580
1987 revenues: $1,768,000
established 1922

McLaughlin, City of†*
Box 392
McLaughlin, S.D. 57642
(605) 823-4428
Lornie Hach, Utility Manager
customers: 450
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1969

Miller, City of
120 W. Second St.
Miller, S.D. 57362
(605) 853-2705
David Blachford, Finance Officer
customers: 1,006
1987 kWh generated: 0
1987 kWh purchased: 23,690,052
1987 kWh sold: 19,829,765
1987 revenues: $564,000
established 1904

Onida, City of
Box 72
Onida, S.D. 57564
(605) 258-2231
Jerry Culey, Superintendent
customers: 400
nameplate capacity (kW): oil 500
1987 kWh generated: 0
1987 kWh purchased: 6,623,472
1987 kWh sold: 5,259,502
1987 revenues: $343,000
established 1926

Parker, City of†*
Box 265
Parker, S.D. 57053
(605) 297-4453
Dean Nielsen, Finance Officer
customers: 522
nameplate capacity (kW): oil 800
1987 kWh generated: 0
1987 kWh purchased: 8,821,600
1987 kWh sold: 7,525,600
1987 revenues: $259,000

Pickstown, Town of
Box 568
Pickstown, S.D. 57367
(605) 487-7553
Larry Delvaux, President, Board of Trustees
customers: 60
1987 kWh generated: 0
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1986

Pierre, City of†*
222 E. Dakota Ave.
Pierre, S.D. 57501
(605) 224-7341
David Padgett, Director of Public Works
customers: 5,694
nameplate capacity (kW): oil 6,000
1987 kWh generated: 0
1987 kWh purchased: 130,927,466
1987 kWh sold: 118,980,996
1987 revenues: $4,156,000
established 1900

Plankinton, City of†*
Box 517
Plankinton, S.D. 57368
(605) 942-7767
Edwin Lutz, Electrical Superintendent
customers: 400
1987 kWh generated: 0
1987 kWh purchased: 7,133,484
1987 kWh sold: 6,520,625
1987 revenues: $250,000
established 1936

Sioux Falls, City of*
2000 N. Minnesota Ave.
Sioux Falls, S.D. 57104
(605) 339-7006
Richard Willer, Utilities Director
customers: 1,999
nameplate capacity (kW): oil 2,800
1987 kWh generated: 0
1987 kWh purchased: 59,694,000
1987 kWh sold: 56,729,371
1987 revenues: $2,353,000
established 1905

Tyndall, City of†*
110 E. Main St., Box 29
Tyndall, S.D. 57066
(605) 589-3481
Peg Patterson, City Auditor
customers: 617
nameplate capacity (kW): oil 3,000
1987 kWh generated: 0
1987 kWh purchased: 10,072,005
1987 kWh sold: 10,072,005
1987 revenues: $424,000
established 1911

Vermillion, City of†*
25 Center St.
Vermillion, S.D. 57069
(605) 624-5641
James W. Antonen, City Manager
customers: 3,336
nameplate capacity (kW): oil 2,440
1987 kWh generated: 0
1987 kWh purchased: 37,004,783
1987 kWh sold: 34,786,074
1987 revenues: $1,798,000
established 1915

Volga, City of†*
102 Kason Ave.
Volga, S.D. 57071
(605) 627-9109
Doug Lauck, Superintendent
customers: 643
nameplate capacity (kW): oil 1,500
1987 kWh generated: 0
1987 kWh purchased: 13,736,949
1987 kWh sold: 13,610,569
1987 revenues: $552,000
established 1941

Watertown, City of†*
901 Fourth Ave. S.W.
Watertown, S.D. 57201
(605) 886-5733
Robert P. Swanson, Superintendent
customers: 9,169
1987 kWh generated: 0
1987 kWh purchased: 166,495,361
1987 kWh sold: 159,903,902
1987 revenues: $5,358,000
established 1923

Wessington Springs, City of†*
Box 443
Wessington Springs, S.D. 57382
(605) 539-1691
Roger Larson, Electrical Superintendent
customers: 626
nameplate capacity (kW): oil 1,235
1987 kWh generated: 0
1987 kWh purchased: 9,623,527
1987 kWh sold: 8,507,420
1987 revenues: $364,000
established 1914

White, City of†*
Box 682
White, S.D. 57276

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

(605) 629-8161
Arnold deBlonk, Finance Officer
customers: 221
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1978

Winner, City of†*
217 E. Third St.
Winner, S.D. 57580
(605) 842-2606
Larry Juracek, Manager
customers: 1,930
nameplate capacity (kW): oil 2,000
1987 kWh generated: 0
1987 kWh purchased: 34,644,549
1987 kWh sold: 30,802,429
1987 revenues: $1,247,000
established 1948

TENNESSEE

(All local publicly owned electric utilities in Tennessee are distributors of Tennessee Valley Authority power and purchase all of their power requirements from TVA.)

Alcoa, City of*
264 N. Rankin Road
Alcoa, Tenn. 37701
(615) 982-2533
Larry B. Stargel, Power Manager
customers: 17,095
1987 kWh generated: 0
1987 kWh purchased: 371,585,142
1987 kWh sold: 350,269,433
1987 revenues: $19,261,000
established 1956

Athens, City of†*
100 Englewood Road, Box 689
Athens, Tenn. 37303
(615) 745-4501
George H. Usry, General Manager
customers: 10,813
1987 kWh generated: 0
1987 kWh purchased: 459,901,898
1987 kWh sold: 442,488,678
1987 revenues: $22,743,000
established 1939

Benton County
Box 445
Camden, Tenn. 38320
(901) 584-8251
Glenn Pafford, Manager
customers: 8,262
1987 kWh generated: 0
1987 kWh purchased: 189,763,316
1987 kWh sold: 177,203,331
1987 revenues: $10,039,000
established 1940

Bolivar, City of†*
815 Tennessee St., Box 188
Bolivar, Tenn. 38008
(901) 658-5257
Beryl F. Williams, Manager
customers: 9,233
1987 kWh generated: 0
1987 kWh purchased: 216,316,640
1987 kWh sold: 201,295,470
1987 revenues: $10,874,000
established 1936

Bristol, City of†*
2470 Volunteer Parkway, Box 549
Bristol, Tenn. 37621
(615) 968-1526
R. Michael Browder, General Manager
customers: 25,990
1987 kWh generated: 0
1987 kWh purchased: 676,162,422
1987 kWh sold: 641,511,875
1987 revenues: $34,153,000
established 1945

Brownsville, City of*
Box 424
Brownsville, Tenn. 38012
(901) 772-1213
John F. Sharpe, Manager
customers: 4,410
1987 kWh generated: 0
1987 kWh purchased: 150,385,423
1987 kWh sold: 144,948,734
1987 revenues: $7,497,000
established 1939

Carroll County*
103 W. Paris St., Box 527
Huntingdon, Tenn. 38344
(901) 986-8284
J. Barbee McMillin, Manager
customers: 13,499
1987 kWh generated: 0
1987 kWh purchased: 310,584,599
1987 kWh sold: 289,078,318
1987 revenues: $15,797,000

Chattanooga, City of†*
537 Cherry St.
Chattanooga, Tenn. 37402
(615) 756-2706
Kenneth S. Baxter, General Manager
customers: 134,427
1987 kWh generated: 0
1987 kWh purchased: 5,166,691,263
1987 kWh sold: 4,972,735,896
1987 revenues: $260,865,000
established 1935

Clarksville, City of*
2021 Guthrie Highway, Box 1007
Clarksville, Tenn. 37040
(615) 648-8151
Dalton Smith, General Manager
customers: 24,226
1987 kWh generated: 0
1987 kWh purchased: 585,269,564
1987 kWh sold: 554,309,360
1987 revenues: $30,623,000
established 1939

Cleveland, City of*
2450 Guthrie Drive NW, Box 2730
Cleveland, Tenn. 37311
(615) 472-4521
M. E. Beavers, General Manager
customers: 20,378
1987 kWh generated: 0
1987 kWh purchased: 725,452,800
1987 kWh sold: 693,239,400
1987 revenues: $36,858,000
established 1939

Clinton, City of*
1001 Moore St.
Clinton, Tenn. 37716
(615) 457-9232
Byron H. Hale, General Manager
customers: 21,806
1987 kWh generated: 0
1987 kWh purchased: 485,270,228
1987 kWh sold: 458,104,261
1987 revenues: $25,802,000
established 1939

Columbia, City of*
201 Pickens Lane, Box 633
Columbia, Tenn. 38401
(615) 388-4833
William M. Carroll, General Manager
customers: 16,713
1987 kWh generated: 0
1987 kWh purchased: 463,162,807
1987 kWh sold: 439,192,549
1987 revenues: $22,869,000
established 1939

Cookeville, City of*
45 E. Broad St., Box 849
Cookeville, Tenn. 38501
(615) 526-9591
Joseph A. Peek, Director
customers: 10,381
1987 kWh generated: 0
1987 kWh purchased: 366,584,888
1987 kWh sold: 353,023,250
1987 revenues: $18,819,000
established 1904

Covington, City of*
204 E. Liberty St., Box 488
Covington, Tenn. 38019
(901) 476-7104
G. E. Johnson, General Manager
customers: 3,165
1987 kWh generated: 0
1987 kWh purchased: 133,404,857
1987 kWh sold: 129,160,614
1987 revenues: $6,988,000
established 1904

Dayton, City of
Box 226
Dayton, Tenn. 37321
(615) 775-1817
Paul Hill, Superintendent
customers: 6,742
1987 kWh generated: 0
1987 kWh purchased: 179,521,691
1987 kWh sold: 169,209,942
1987 revenues: $8,887,000

Dickson, City of
202 S. Main St., Box 627
Dickson, Tenn. 37055
(615) 446-9051
Ernest R. Brown, Manager
customers: 19,443
1987 kWh generated: 0
1987 kWh purchased: 413,272,011
1987 kWh sold: 389,334,654
1987 revenues: $21,841,000
established 1936

Dyersburg, City of†*
211 E. Court St., Box 664
Dyersburg, Tenn. 38024
(901) 285-2941
James E. Williamson Jr., Manager
customers: 10,301
1987 kWh generated: 0
1987 kWh purchased: 396,572,812
1987 kWh sold: 372,930,257
1987 revenues: $20,108,000
established 1902

Elizabethton, City of*
Hatcher Lane, Box 790
Elizabethton, Tenn. 37643
(615) 542-2101
Frank L. Curde, Manager
customers: 19,970
1987 kWh generated: 0
1987 kWh purchased: 457,189,783
1987 kWh sold: 431,766,079
1987 revenues: $22,803,000
established 1945

Erwin, City of
244 Love St., Box 201
Erwin, Tenn. 37650
(615) 743-6191
Howard Brown, Manager
customers: 7,097
1987 kWh generated: 0
1987 kWh purchased: 183,212,089
1987 kWh sold: 172,058,481
1987 revenues: $8,878,000
established 1945

Etowah, City of*
110 Ninth St., Box N
Etowah, Tenn. 37331
(615) 263-9441
Doug Swayne, General Manager
customers: 4,306
1987 kWh generated: 0
1987 kWh purchased: 131,283,790
1987 kWh sold: 126,775,599
1987 revenues: $6,481,000
established 1937

Fayetteville, City of*
408 W. College St., Drawer E
Fayetteville, Tenn. 37334
(615) 433-1522
Walter J. Szelich Jr., General Manager
customers: 13,807
1987 kWh generated: 0
1987 kWh purchased: 306,101,097
1987 kWh sold: 284,596,745
1987 revenues: $16,011,000
established 1937

Gallatin, City of†*
135 Jones St., Box 1555
Gallatin, Tenn. 37066
(615) 452-5152
William Draper, Superintendent
customers: 8,506
1987 kWh generated: 0
1987 kWh purchased: 365,782,465
1987 kWh sold: 353,307,072
1987 revenues: $18,356,000
established 1939

Greeneville, City of*
Box 1690
Greeneville, Tenn. 37744
(615) 636-6200
Robert C. Lay, Manager
customers: 26,446
1987 kWh generated: 0
1987 kWh purchased: 749,929,601
1987 kWh sold: 714,481,176
1987 revenues: $38,777,000
established 1945

Harriman, City of
300 Roane St., Box 434
Harriman, Tenn. 37748
(615) 882-3242
Henry D. Grigsby, Manager
customers: 9,373
1987 kWh generated: 0
1987 kWh purchased: 204,086,591
1987 kWh sold: 189,258,593
1987 revenues: $11,292,000
established 1939

Humboldt, City of†*
207 S. 13th Ave., Box 850
Humboldt, Tenn. 38343-0850
(901) 784-9212
Stan Little, Manager
customers: 4,413
1987 kWh generated: 0
1987 kWh purchased: 171,669,263
1987 kWh sold: 163,870,064
1987 revenues: $8,310,000
established 1939

Jackson, City of†*
119 E. College St., Box 68
Jackson, Tenn. 38302-0068
(901) 422-7500
Joe H. Exum, General Manager
customers: 25,481
1987 kWh generated: 0
1987 kWh purchased: 1,002,783,708
1987 kWh sold: 949,396,611
1987 revenues: $48,755,000
established 1937

Jellico, City of
400 S. Main St., Box 510
Jellico, Tenn. 37762
(615) 784-8431
John W. Leach, Manager
customers: 4,286
1987 kWh generated: 0
1987 kWh purchased: 76,100,909
1987 kWh sold: 69,856,536
1987 revenues: $4,069,000
established 1935

Johnson City, City of*
100 N. Roan St., Box 1636
Johnson City, Tenn. 37601
(615) 928-2112
Roy L. Taylor, Manager
customers: 48,749
1987 kWh generated: 0
1987 kWh purchased: 1,325,688,583
1987 kWh sold: 1,250,182,001
1987 revenues: $64,316,000
established 1945

Knoxville, City of†*
626 S. Gay St., Box 1951
Knoxville, Tenn. 37901
(615) 524-2911
Ed Hoskins, General Manager
customers: 141,367
1987 kWh generated: 0
1987 kWh purchased: 4,366,802,040
1987 kWh sold: 4,167,527,320
1987 revenues: $226,253,000
established 1938

La Follette, City of*
N. Tennessee Ave., Box 1411
La Follette, Tenn. 37766
(615) 562-3316
William L. Piper, Manager
customers: 15,236
1987 kWh generated: 0
1987 kWh purchased: 321,117,065
1987 kWh sold: 297,556,592
1987 revenues: $16,781,000
established 1939

Lawrenceburg, City of
1607 N. Locust Ave.
Lawrenceburg, Tenn. 38464
(615) 762-7161
James W. Collins, Superintendent
customers: 15,079
1987 kWh generated: 0
1987 kWh purchased: 356,116,800
1987 kWh sold: 332,577,872
1987 revenues: $18,114,000
established 1939

Lebanon, City of
410 Park Drive
Lebanon, Tenn. 37087
(615) 444-0825
S. Partlow, Superintendent
customers: 7,081
1987 kWh generated: 0
1987 kWh purchased: 273,905,087
1987 kWh sold: 259,531,359
1987 revenues: $14,013,000
established 1942

Lenoir City, City of*
200 Depot St., Box 4149
Lenoir City, Tenn. 37771
(615) 986-6591
Harry Fraser, General Manager
customers: 29,946
1987 kWh generated: 0
1987 kWh purchased: 799,096,729
1987 kWh sold: 752,580,345
1987 revenues: $42,560,000
established 1938

Lewisburg, City of†*
599 W. Ellington Parkway, Box 2727
Lewisburg, Tenn. 37091
(615) 359-2544
Richard Turner, General Manager
customers: 4,609
1987 kWh generated: 0
1987 kWh purchased: 219,401,431
1987 kWh sold: 211,147,104
1987 revenues: $11,537,000

Lexington, City of†*
92 Main St., Box 30
Lexington, Tenn. 38351
(901) 968-3663
Robert W. Bowman, Manager
customers: 16,346
1987 kWh generated: 0
1987 kWh purchased: 328,326,902
1987 kWh sold: 305,976,169
1987 revenues: $16,726,000
established 1939

Loudon, City of*
Box E
Loudon, Tenn. 37774
(615) 458-2091
W. Barry Baker, City Manager
customers: 4,819
1987 kWh generated: 0
1987 kWh purchased: 174,423,249
1987 kWh sold: 165,646,061
1987 revenues: $9,023,000
established 1935

Maryville, City of*
400 W. Broadway, Box 667
Maryville, Tenn. 37801
(615) 981-1300
Rody Blevins, Director of Operations
customers: 14,768
1987 kWh generated: 0
1987 kWh purchased: 382,920,538
1987 kWh sold: 361,929,623
1987 revenues: $19,023,000
established 1939

McMinnville, City of†*
200 Morford St.
McMinnville, Tenn. 37110
(615) 473-3144
Don Collette, General Manager
customers: 6,266
1987 kWh generated: 0
1987 kWh purchased: 189,239,976
1987 kWh sold: 181,939,323
1987 revenues: $9,990,000
established 1939

Memphis, City of†*
220 S. Main St., Box 430
Memphis, Tenn. 38101
(901) 528-4011
Larry Papasan, President & CEO
customers: 326,676
1987 kWh generated: 0
1987 kWh purchased: 10,723,969,328
1987 kWh sold: 10,089,476,548
1987 revenues: $544,880,000
established 1939

Milan, City of*
407 S. Second St., Box 109
Milan, Tenn. 38358
(901) 686-1537
Harold L. Crenshaw, Manager
customers: 6,876
1987 kWh generated: 0
1987 kWh purchased: 205,003,029
1987 kWh sold: 192,062,203
1987 revenues: $10,086,000
established 1897

Morristown, City of†*
441 W. Main St., Box 667
Morristown, Tenn. 37814
(615) 586-4121
James E. Akins, General Manager
customers: 11,053
1987 kWh generated: 0
1987 kWh purchased: 489,229,007
1987 kWh sold: 469,668,767
1987 revenues: $25,681,000
established 1901

Mount Pleasant, City of
124 N. Main St., Box 186
Mount Pleasant, Tenn. 38474
(615) 379-3233
Elbert Powell, Manager
customers: 3,210
1987 kWh generated: 0
1987 kWh purchased: 88,436,323
1987 kWh sold: 82,151,033
1987 revenues: $4,401,000
established 1935

Murfreesboro, City of*
225 N. Walnut St., Box 9
Murfreesboro, Tenn. 37130
(615) 893-5514
Larry D. Kirk, General Manager
customers: 19,365
1987 kWh generated: 0
1987 kWh purchased: 674,828,880
1987 kWh sold: 649,344,597
1987 revenues: $33,674,000
established 1939

Nashville, City of†*
1214 Church St.
Nashville, Tenn. 37246
(615) 747-3895
Norman G. Anderson, General Manager
customers: 263,533
1987 kWh generated: 0
1987 kWh purchased: 9,529,111,847
1987 kWh sold: 9,094,194,866
1987 revenues: $481,638,000
established 1939

Newbern, City of*
E. Main St., Box J
Newbern, Tenn. 38059
(901) 627-3221
Don Campbell, Director
customers: 1,375
1987 kWh generated: 0
1987 kWh purchased: 40,551,490
1987 kWh sold: 38,006,015
1987 revenues: $2,113,000
established 1938

Newport, City of*
301-305 E. Main St., Box 519
Newport, Tenn. 37821
(615) 623-3074
Lindsay Boyd, General Manager
customers: 14,664
1987 kWh generated: 0
1987 kWh purchased: 346,658,160
1987 kWh sold: 324,566,965
1987 revenues: $17,969,000
established 1939

Oak Ridge, City of
Box 1
Oak Ridge, Tenn. 37831-0001
(615) 482-8429
John C. Wagner, Electrical Director
customers: 13,166
1987 kWh generated: 0
1987 kWh purchased: 373,747,066
1987 kWh sold: 359,456,110
1987 revenues: $18,729,000
established 1960

Paris, City of*
117 E. Washington St.
Paris, Tenn. 38242
(901) 642-1322
Charles R. Perry, Superintendent
customers: 16,040
1987 kWh generated: 0
1987 kWh purchased: 372,849,969
1987 kWh sold: 350,577,072
1987 revenues: $18,909,000
established 1938

Pulaski, City of*
203 S. First St., Box 368
Pulaski, Tenn. 38478
(615) 363-2522
Charles Higgins, General Manager
customers: 11,097
1987 kWh generated: 0
1987 kWh purchased: 306,482,297
1987 kWh sold: 286,994,062
1987 revenues: $15,786,000
established 1890

Ripley, City of*
Box 69
Ripley, Tenn. 38063
(901) 635-2323
Mike Allmand, Manager
customers: 5,680
1987 kWh generated: 0
1987 kWh purchased: 225,174,476
1987 kWh sold: 216,392,471
1987 revenues: $10,989,000
established 1939

Rockwood, City of*
341 W. Rockwood St., Box 108
Rockwood, Tenn. 37854
(615) 354-0514
Charles W. Johnson, General Manager
customers: 10,422
1987 kWh generated: 0
1987 kWh purchased: 231,937,980
1987 kWh sold: 217,100,755
1987 revenues: $12,110,000
established 1939

Sevier, County of*
315 E. Main St., Box 716
Sevierville, Tenn. 37862
(615) 453-2887
George Seaton, Superintendent
customers: 24,045
1987 kWh generated: 0
1987 kWh purchased: 642,393,409
1987 kWh sold: 606,677,066
1987 revenues: $35,163,000
established 1939

Shelbyville, City of
308 S. Main St., Box 530
Shelbyville, Tenn. 37160
(615) 684-7171
Eugene D. Crowell, Manager
customers: 6,898
1987 kWh generated: 0
1987 kWh purchased: 251,758,800
1987 kWh sold: 241,392,762
1987 revenues: $13,009,000
established 1939

Smithville, City of
605 E. Broad, Box 228
Smithville, Tenn. 37166
(615) 597-4735
Mark Ashburn, Manager
customers: 2,192
1987 kWh generated: 0
1987 kWh purchased: 66,361,581
1987 kWh sold: 62,827,462
1987 revenues: $3,471,000
established 1969

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

Somerville, City of*
106 E. Court Square
Somerville, Tenn. 38068
(901) 465-3676
Kennie L. German Jr., General Manager
customers: 1,308
1987 kWh generated: 0
1987 kWh purchased: 30,903,453
1987 kWh sold: 29,049,882
1987 revenues: $1,690,000
established 1936

Sparta, City of
545 E. Bokman Way, Box 468
Sparta, Tenn. 38583
(615) 738-2281
Wayne Rogers, Manager
customers: 2,548
1987 kWh generated: 0
1987 kWh purchased: 76,906,080
1987 kWh sold: 74,019,837
1987 revenues: $4,148,000
established 1962

Springfield, City of†*
718 Central Ave., Box C
Springfield, Tenn. 37172
(615) 384-6770
W. Royce Williams Sr., General Manager
customers: 4,993
1987 kWh generated: 0
1987 kWh purchased: 149,360,302
1987 kWh sold: 142,164,851
1987 revenues: $8,438,000
established 1905

Sweetwater, City of*
101 Oak St., Box 191
Sweetwater, Tenn. 37874
(615) 337-5081
Lewis W. Roach, General Manager
customers: 7,059
1987 kWh generated: 0
1987 kWh purchased: 160,092,924
1987 kWh sold: 153,648,632
1987 revenues: $8,371,000
established 1939

Trenton, City of*
309 S. College St.
Trenton, Tenn. 38382
(901) 855-1561
Paul W. Bennett, Manager
customers: 2,519
1987 kWh generated: 0
1987 kWh purchased: 85,791,967
1987 kWh sold: 81,777,325
1987 revenues: $4,482,000
established 1938

Tullahoma, City of*
909 S. Jackson St.
Tullahoma, Tenn. 37388
(615) 455-4515
Joe N. Loggins, General Manager
customers: 8,092
1987 kWh generated: 0
1987 kWh purchased: 232,624,400
1987 kWh sold: 219,422,630
1987 revenues: $11,958,000
established 1947

Union City, City of*
312 N. Division St., Box 369
Union City, Tenn. 38261
(901) 885-9212
Stanley R. McMinn, Manager
customers: 5,516
1987 kWh generated: 0
1987 kWh purchased: 340,692,277
1987 kWh sold: 327,529,823
1987 revenues: $15,408,000
established 1952

Weakley, County of†*
501 Lindell St., Box 170
Martin, Tenn. 38237-0170
(901) 587-9521
Gerald Brooks, Superintendent
customers: 16,818
1987 kWh generated: 0
1987 kWh purchased: 423,581,715
1987 kWh sold: 393,861,298
1987 revenues: $21,331,000
established 1938

Winchester, City of
219 Second Ave. N.W.
Winchester, Tenn. 37398
(615) 967-2238
Lynn Bean, Manager
customers: 3,878
1987 kWh generated: 0
1987 kWh purchased: 99,629,939
1987 kWh sold: 92,064,426
1987 revenues: $5,186,000
established 1935

TEXAS

Austin, City of†*
721 Barton Springs Road, Box 1088
Austin, Texas 78767
(512) 322-9600
John Moore, Director
customers: 254,750
nameplate capacity (kW): gas 1,536,000; coal 307,650
1987 kWh generated: 5,011,812,000
1987 kWh purchased: 1,238,412,000
1987 kWh sold: 5,754,350,000
1987 revenues: $398,594,000
established 1895

Bartlett, City of
140 W. Clark St., Drawer H
Bartlett, Texas 76511
(817) 527-3557
Mike Williams, Superintendent
customers: 697
nameplate capacity (kW): oil 300
1987 kWh generated: 0
1987 kWh purchased: 7,156,000
1987 kWh sold: 6,025,674
1987 revenues: $667,000
established 1920

Bastrop, City of
904 Main St., Box S
Bastrop, Texas 78602
(512) 321-3941
Barbara Kessel, Clerk
customers: 1,881
1987 kWh generated: 0
1987 kWh purchased: 39,923,014
1987 kWh sold: 36,016,350
1987 revenues: $2,233,000

Bellville, City of
30 S. Holland, Drawer 817
Bellville, Texas 77418
(409) 865-3136
John Mumme, City Administrator
customers: 2,039
1987 kWh generated: 0
1987 kWh purchased: 42,077,845
1987 kWh sold: 38,795,863
1987 revenues: $1,803,000
established 1940

Boerne, City of
402 E. Blanco Road, Box 1677
Boerne, Texas 78006
(512) 249-9511
Ronald C. Bowman, City Administrator
customers: 2,403
1987 kWh generated: 0
1987 kWh purchased: 48,425,567
1987 kWh sold: 44,558,430
1987 revenues: $2,562,000
established 1943

Bowie, City of
304 Lindsey
Bowie, Texas 76230
(817) 872-1114
Ronnie Parkinson, Superintendent
customers: 3,004
1987 kWh generated: 0
1987 kWh purchased: 46,750,000
1987 kWh sold: 43,048,568
1987 revenues: $3,452,000
established 1917

Brady, City of
212 W. Commerce St., Box 351
Brady, Texas 76825
(915) 597-3821
James E. Blankenship, City Manager
customers: 3,175
nameplate capacity (kW): oil 2,500; gas 14,500
1987 kWh generated: 4,158,600
1987 kWh purchased: 50,327,532
1987 kWh sold: 48,194,295
1987 revenues: $2,578,000
established 1912

Brazos River Authority
Box 7555
Waco, Texas 76714
(817) 776-1441
Jack Wooley, Assistant General Manager
customers: wholesale only
nameplate capacity (kW): hydro 25,000
1987 kWh generated: 56,849,000
1987 kWh purchased: 0
1987 kWh sold: 56,422,000
1987 revenues: $323,000
established 1929

Brenham, City of
210 N. Park St., Box 1059
Brenham, Texas 77833
(409) 836-3436
Kent Van Eman, Director of Public Works
customers: 6,616
1987 kWh generated: 0
1987 kWh purchased: 211,137,883
1987 kWh sold: 198,978,541
1987 revenues: $8,175,000
established 1941

Bridgeport, City of
812 Halsell St.
Bridgeport, Texas 76026
(817) 683-2275
Doug Whitehead, Assistant City Administrator
customers: 1,646
1987 kWh generated: 0
1987 kWh purchased: 28,909,620
1987 kWh sold: 25,493,956
1987 revenues: $1,789,000
established 1926

Brownfield, City of
218 W. Main St.
Brownfield, Texas 79316
(806) 637-4547
R. C. Fletcher, City Manager
customers: 4,192
nameplate capacity (kW): gas 22,920
1987 kWh generated: 4,567,000
1987 kWh purchased: 60,163,600
1987 kWh sold: 56,787,102
1987 revenues: $3,892,000
established 1923

Brownsville, City of*
Box 3270
Brownsville, Texas 78520
(512) 544-3880
William Towers, General Manager
customers: 27,296
nameplate capacity (kW): gas 113,000; coal 67,452
1987 kWh generated: 379,011,000
1987 kWh purchased: 223,038,000
1987 kWh sold: 325,028,736
1987 revenues: $33,978,000
established 1904

Bryan, City of*
205 E. 28th St.
Bryan, Texas 77801
(409) 361-3750
Dan Wilkerson, Operations Manager
customers: 22,307
nameplate capacity (kW): gas 243,000
1987 kWh generated: 361,920,310
1987 kWh purchased: 553,373,000
1987 kWh sold: 878,896,042
1987 revenues: $51,793,000
established 1919

Burnet, City of
127 E. Jackson St.
Burnet, Texas 78611
(512) 756-4858
Kenneth Taylor, City Manager
customers: 2,159
1987 kWh generated: 0
1987 kWh purchased: 34,542,000
1987 kWh sold: 31,835,136
1987 revenues: $1,775,000

Caldwell, City of
107 S. Hill St.
Caldwell, Texas 77836
(409) 567-3271
William L. Broaddus, Mayor
customers: 1,661
1987 kWh generated: 0
1987 kWh purchased: 40,275,200
1987 kWh sold: 38,136,122
1987 revenues: $2,810,000

Castroville, City of
1209 N. Florella st.
Castroville, Texas 78009
(512) 538-2224
Bruce A. Alexander, Superintendent
customers: 921
1987 kWh generated: 0
1987 kWh purchased: 13,593,243
1987 kWh sold: 11,954,481
1987 revenues: $903,000
established 1948

Coleman, City of
201 N. Colorado
Coleman, Texas 76834
(915) 625-4116
Danny Jameson, City Secretary
customers: 2,866
nameplate capacity (kW): gas 18,660
1987 kWh generated: 9,355,000
1987 kWh purchased: 33,184,000
1987 kWh sold: 36,066,302
1987 revenues: $2,348,000
established 1904

College Station, City of*
1101 Texas Ave., Box 9960
College Station, Texas 77840
(409) 764-3522
Bruce Albright, Manager of Utilities
customers: 19,483
1987 kWh generated: 0
1987 kWh purchased: 343,120,205
1987 kWh sold: 325,850,252
1987 revenues: $28,381,000
established 1939

Cuero, City of
201 E. Main, Box 512
Cuero, Texas 77954

(512) 275-6114
James C. Morgan, City Manager
customers: 3,521
1987 kWh generated: 0
1987 kWh purchased: 76,863
1987 kWh sold: 68,891
1987 revenues: $3,417,000

Denton, City of†*
215 E. McKinney
Denton, Texas 76205
(817) 566-8230
Robert E. Nelson, Executive Director, Utilities
customers: 26,726
nameplate capacity (kW): gas 353,945
1987 kWh generated: 49,079,367
1987 kWh purchased: 769,828,000
1987 kWh sold: 779,170,000
1987 revenues: $65,263,000
established 1905

Electra, City of
101 N. Main St.
Electra, Texas 76360
(817) 495-2432
Gene L. Minderman, Mayor
customers: 961
nameplate capacity (kW): oil 480; gas 4,230
1987 kWh generated: 2,000
1987 kWh purchased: 19,390,750
1987 kWh sold: 15,340,689
1987 revenues: $1,182,000
established 1939

Farmersville, City of
303 S. Main St.
Farmersville, Texas 75031
(214) 782-6151
Jim Edd Wines, City Manager
customers: 1,350
nameplate capacity (kW): gas 1,900
1987 kWh generated: 0
1987 kWh purchased: 16,386,600
1987 kWh sold: 15,511,072
1987 revenues: $1,405,000
established 1930

Flatonia, City of
125 E.S. Main St., Box 375
Flatonia, Texas 78941
(512) 865-3548
Doris Walker, Clerk
customers: 947
1987 kWh generated: 0
1987 kWh purchased: 19,367,346
1987 kWh sold: 17,987,370
1987 revenues: $910,000
established 1945

Floresville, City of
1400 Fourth St., Box 218
Floresville, Texas 78114
(512) 393-3131
Fred R. Wauters, General Manager
customers: 9,238
1987 kWh generated: 0
1987 kWh purchased: 111,200,000
1987 kWh sold: 99,896,000
1987 revenues: $7,519,000
established 1943

Floydada, City of*
114 W. Virginia St., Box 10
Floydada, Texas 79235
(806) 983-2834
Connie Galloway, Superintendent
customers: 1,230
nameplate capacity (kW): gas 7,800
1987 kWh generated: 0
1987 kWh purchased: 14,547,300
1987 kWh sold: 13,139,938
1987 revenues: $991,000
established 1939

Fredericksburg, City of
126 W. Main St., Box 111
Fredericksburg, Texas 78624-0111
(512) 997-7521
Jerry Bain, Director of Public Works
customers: 4,158
1987 kWh generated: 0
1987 kWh purchased: 77,658,253
1987 kWh sold: 74,079,705
1987 revenues: $3,237,000
established 1935

Garland, City of*
200 N. Fifth St., Suite 427
Garland, Texas 75040
(214) 205-2472
William E. Dollar, Assistant City Manager
customers: 57,842
nameplate capacity (kW): oil 8,800; gas 441,500
1987 kWh generated: 598,393,000
1987 kWh purchased: 1,391,597,918
1987 kWh sold: 1,896,231,494
1987 revenues: $120,860,000
established 1922

Garrison, City of
Box 207
Garrison, Texas 75946
(409) 347-2201
Jeff Lee, Utilities Superintendent
customers: 524
1987 kWh generated: 0
1987 kWh purchased: 7,747,200
1987 kWh sold: 6,388,911
1987 revenues: $524,000

Georgetown Water & Light Plant
103 W. Seventh St.
Georgetown, Texas 78626
(512) 863-5533
Gwen Sherman, Director of Finance
customers: 6,895
1987 kWh generated: 0
1987 kWh purchased: 145,824,262
1987 kWh sold: 137,945,801
1987 revenues: $7,887,000

Giddings, City of
118 E. Richmond St.
Giddings, Texas 78942
(409) 542-2311
Larry Pippen, City Manager
customers: 2,109
1987 kWh generated: 0
1987 kWh purchased: 41,645,476
1987 kWh sold: 38,668,892
1987 revenues: $2,238,000
established 1941

Goldsmith, City of
Box 629
Goldsmith, Texas 79741
(915) 827-3404
Betty Sise, City Secretary
customers: 177
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Goldthwaite, City of
1218 Fisher St., Box 450
Goldthwaite, Texas 76844
(915) 648-3186
Dale Allen, City Manager
customers: 1,062
1987 kWh generated: 0
1987 kWh purchased: 14,829,042
1987 kWh sold: 13,753,514
1987 revenues: $733,000
established 1941

Gonzales, City of
820 St. Joseph St., Drawer 547
Gonzales, Texas 78629
(512) 672-2815
Luther Maxey, City Manager
customers: 3,128
nameplate capacity: unavailable
1987 kWh generated: 3,484,000
1987 kWh purchased: 63,640,000
1987 kWh sold: 61,967,000
1987 revenues: $3,352,000
established 1941

Granbury, City of*
Box 969
Granbury, Texas 76048
(817) 573-1115
Robert D. Brockman, City Manager
customers: 2,056
1987 kWh generated: 0
1987 kWh purchased: 56,037,000
1987 kWh sold: 50,674,800
1987 revenues: $4,172,000
established 1921

Greenville, City of*
2423 King St., Box 1049
Greenville, Texas 75401
(214) 457-3100
Thomas L. Darte, Director
customers: 11,519
nameplate capacity (kW): oil 3,885; gas 118,806
1987 kWh generated: 135,924,000
1987 kWh purchased: 374,169,000
1987 kWh sold: 473,531,000
1987 revenues: $31,717,000
established 1891

Guadalupe-Blanco River Auth*
933 E. Court St.
Seguin, Texas 78155
(512) 379-5822
John H. Specht, General Manager
customers: wholesale only
nameplate capacity (kW): hydro 16,000
1987 kWh generated: 107,763,000
1987 kWh purchased: 0
1987 kWh sold: 103,993,100
1987 revenues: $3,151,000
established 1963

Hallettsville, City of
101 N. Main St., Box 257
Hallettsville, Texas 77964-0257
(512) 798-3681
Thomas H. Kostelnik, Director of Public Works
customers: 1,548
nameplate capacity (kW): oil 1,200
1987 kWh generated: 0
1987 kWh purc(ased: 27,875,864
1987 kWh sold: 25,664,704
1987 revenues: $1,090,000
established 1891

Hearne, City of
210 Cedar St.
Hearne, Texas 77859
(409) 279-3461
Dorothy Lastor, City Manager
customers: 2,386
nameplate capacity (kW): gas 7,800
1987 kWh generated: 0
1987 kWh purchased: 38,470,000
1987 kWh sold: 31,043,000
1987 revenues: $2,881,000
established 1912

Hemphill, City of
Drawer L
Hemphill, Texas 75948
(409) 787-2251
Tommy Neal, City Manager
customers: 677
1987 kWh generated: 0
1987 kWh purchased: 12,496,600
1987 kWh sold: 11,425,399
1987 revenues: $861,000

Hempstead, City of
1125 Austin St.
Hempstead, Texas 77445
(409) 826-2486
Willie Mae Burch, City Secretary
customers: 1,785
1987 kWh generated: 0
1987 kWh purchased: 33,782,663
1987 kWh sold: 29,121,016
1987 revenues: $1,571,000
established 1940

Hondo, City of
1600 Avenue M
Hondo, Texas 78861
(512) 426-3377
Oscar Dominguez, Manager
customers: 2,719
1987 kWh generated: 0
1987 kWh purchased: 42,350,000
1987 kWh sold: 40,585,709
1987 revenues: $3,208,000
established 1942

Jasper, City of*
272 E. Lamar St., Box 610
Jasper, Texas 75951
(409) 384-4651
Wayne Dubose, City Manager
customers: 4,235
nameplate capacity (kW): oil 5,200
1987 kWh generated: 0
1987 kWh purchased: 122,269,058
1987 kWh sold: 115,362,389
1987 revenues: $9,508,000
established 1948

Kerrville Public Utility Board*
2250 Memorial Blvd., Box 911
Kerrville, Texas 78029
(512) 257-3050
Bill Taylor, Manager
customers: 15,241
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1987

Kirbyville Light & Power Co.
107 S. Elizabeth St.
Kirbyville, Texas 75956
(409) 423-2464
C. B. Herndon, Manager
customers: 898
1987 kWh generated: 0
1987 kWh purchased: 17,312,109
1987 kWh sold: 16,152,196
1987 revenues: $1,212,000
established 1974

La Grange, City of
155 E. Colorado St.
La Grange, Texas 78945
(409) 968-3127
Werner Von Minden, Utility Manager
customers: 2,781
1987 kWh generated: 0
1987 kWh purchased: 50,553,000
1987 kWh sold: 46,847,000
1987 revenues: $2,219,000

Lampasas, City of
302 E. Third St., Box 666
Lampasas, Texas 76550
(512) 242-3641
Thomas E. Pugh, City Manager
customers: 3,395
1987 kWh generated: 0

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

1987 kWh purchased: 65,273,576
1987 kWh sold: 65,831,061
1987 revenues: $3,591,000
established 1946

Lexington, City of
Box 56
Lexington, Texas 78947
(409) 773-2221
Jerry E. Poston, Manager
customers: 498
1987 kWh generated: 0
1987 kWh purchased: 7,878,940
1987 kWh sold: 6,719,915
1987 revenues: $396,000
established 1938

Liberty, City of*
1829 Sam Houston St., City Hall
Liberty, Texas 77575
(409) 336-6872
Don Ivy, Electrical Superintendent
customers: 3,260
1987 kWh generated: 0
1987 kWh purchased: 94,727,461
1987 kWh sold: 87,343,819
1987 revenues: $7,887,000
established 1939

Livingston, City of*
200 W. Church St.
Livingston, Texas 77351
(409) 327-4311
Sam Gordon, City Manager
customers: 2,678
1987 kWh generated: 0
1987 kWh purchased: 62,082,765
1987 kWh sold: 57,121,287
1987 revenues: $5,580,000
established 1920

Llano, City of
301 W. Main St.
Llano, Texas 78643
(915) 247-4158
George C. Rogers, City Manager
customers: 1,628
1987 kWh generated: 0
1987 kWh purchased: 31,313,718
1987 kWh sold: 29,847,818
1987 revenues: $1,389,000

Lockhart, City of*
308 W. San Antonio St., Box 239
Lockhart, Texas 78644
(512) 398-3461
Thomas E. Brymer, City Manager
customers: 3,844
1987 kWh generated: 0
1987 kWh purchased: 67,905,000
1987 kWh sold: 63,205,000
1987 revenues: $3,130,000
established 1928

Lower Colorado River Authority*
3700 Lake Austin Blvd., Box 220
Austin, Texas 78703
(512) 473-3200
S. David Freeman, General Manager
customers: 17,094
nameplate capacity (kW): gas 973,000; coal 1,230,600; hydro 218,200
1987 kWh generated: 7,050,073,200
1987 kWh purchased: 152,154,079
1987 kWh sold: 6,884,379,382
1987 revenues: $204,607,000
established 1935

Lubbock, City of*
916 Texas Ave., Box 2000
Lubbock, Texas 79457
(806) 763-9381
Carroll McDonald, Director
customers: 41,552
nameplate capacity (kW): gas 223,250
1987 kWh generated: 612,394,330
1987 kWh purchased: 180,225,000
1987 kWh sold: 735,900,914
1987 revenues: $47,942,000
established 1916

Luling, City of
509 E. Crockett St., Box 630
Luling, Texas 78648-0630
(512) 875-2469
Harold Watts, City Manager
customers: 2,499
1987 kWh generated: 0
1987 kWh purchased: 41,625,142
1987 kWh sold: 37,901,497
1987 revenues: $2,132,000
established 1941

Mason, City of
124 Moody St., Box 68
Mason, Texas 76856
(915) 347-6656
Patty L. Grote, City Secretary
customers: 1,423
1987 kWh generated: 0
1987 kWh purchased: 18,000,000
1987 kWh sold: 16,000,000
1987 revenues: $944,000
established 1955

Moulton, City of
102 S. West St., Box 369
Moulton, Texas 77975
(512) 596-4621
Richard Kresta Jr., City Secretary
customers: 647
1987 kWh generated: 0
1987 kWh purchased: 8,804,151
1987 kWh sold: 8,049,572
1987 revenues: $306,000
established 1939

New Braunfels, City of*
263 Main Plaza E., Box 310289
New Braunfels, Texas 78131
(512) 629-8400
Robert H. Sohn, General Manager
customers: 15,537
nameplate capacity: unavailable
1987 kWh generated: 6,811,200
1987 kWh purchased: 658,146,708
1987 kWh sold: 629,905,581
1987 revenues: $24,647,000
established 1942

Newton, City of
Box 889
Newton, Texas 75966
(409) 379-4621
Melvin Forward, Superintendent
customers: 1,044
1987 kWh generated: 0
1987 kWh purchased: 17,677,903
1987 kWh sold: 13,716,831
1987 revenues: $1,196,000
established 1936

Plains, City of
Box 550
Plains, Texas 79355
(806) 456-2288
Ruth Murphree, City Secretary
customers: 368
nameplate capacity (kW): gas 800
1987 kWh generated: 0
1987 kWh purchased: 5,179,200
1987 kWh sold: 4,105,797
1987 revenues: $359,000

Robstown, City of†*
101 E. Main St., Box 71
Robstown, Texas 78380
(512) 387-3554
Roy Gutierrez, Superintendent
customers: 4,519
nameplate capacity (kW): gas 21,100
1987 kWh generated: 26,325,359
1987 kWh purchased: 45,005,621
1987 kWh sold: 63,790,738
1987 revenues: $4,596,000
established 1939

San Antonio, City of*
145 Navarro, Box 1771
San Antonio, Texas 78296
(512) 227-3211
Arthur Von Rosenberg, General Manager
customers: 459,824
nameplate capacity (kW): gas 2,650,000; coal 892,000
1987 kWh generated: 11,141,885,000
1987 kWh purchased: 21,444,000
1987 kWh sold: 10,505,372,000
1987 revenues: $619,095,000
established 1942

San Augustine, City of
301 S. Harrison St.
San Augustine, Texas 75972
(409) 275-2121
Alton Shaw, City Manager
customers: 1,102
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1917

San Marcos Electric Utility
Box 788
San Marcos, Texas 78666
(512) 396-2451
Roddy Bagley, Manager
customers: 12,000
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1986

San Saba, City of
302 E. Wallace
San Saba, Texas 76877
(915) 372-5144
James Reavis, City Secretary
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Sanger, City of*
201 Bolivar St., Box 578
Sanger, Texas 76266
(817) 458-7930
Stanley K. Day, Director
customers: 1,598
nameplate capacity (kW): gas 1,500
1987 kWh generated: 24,675,000
1987 kWh purchased: 0
1987 kWh sold: 22,391,360
1987 revenues: $1,587,000
established 1929

Schulenburg, City of
607 Upton St.
Schulenburg, Texas 78956
(409) 743-4126
Robert A. Hoot, Utility Manager
customers: 1,623
1987 kWh generated: 0
1987 kWh purchased: 28,043,810
1987 kWh sold: 25,048,113
1987 revenues: $1,304,000
established 1941

Seguin, City of
205 N. River St., Box 591
Seguin, Texas 78155
(512) 379-3212
Terry Roberts, City Manager
customers: 8,129
nameplate capacity (kW): oil 250; hydro 250
1987 kWh generated: 1,050,300
1987 kWh purchased: 166,595,150
1987 kWh sold: 153,366,317
1987 revenues: $5,424,000
established 1907

Seymour, City of
301 N. Washington St., Box 31
Seymour, Texas 76380
(817) 888-3148
Nolan Davis, Mayor
customers: 1,814
nameplate capacity (kW): oil 500; gas 600
1987 kWh generated: 0
1987 kWh purchased: 26,801,000
1987 kWh sold: 25,463,132
1987 revenues: $1,932,000
established 1929

Shiner, City of
Box 308
Shiner, Texas 77984
(512) 594-3362
Norma Goetz, City Secretary
customers: 1,336
1987 kWh generated: 0
1987 kWh purchased: 25,107,967
1987 kWh sold: 22,500,747
1987 revenues: $1,280,000

Smithville, City of
317 Main St., Box 449
Smithville, Texas 78957
(512) 237-3267
Bill Davison, Supervisor of Utility
customers: 1,763
1987 kWh generated: 0
1987 kWh purchased: 25,915,774
1987 kWh sold: 23,537,620
1987 revenues: $1,414,000
established 1939

Texas A & M University
Box 217
College Station, Texas 77843
(409) 845-1232
J. J. Estill, Director, Electric Operations
customers: 724
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1930

Timpson, City of
Box 369
Timpson, Texas 75975
(409) 254-2421
Tommy Sparks, Superintendent
customers: 650
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Tulia, City of
201 N. Maxwell St.
Tulia, Texas 79088

(806) 995-3547
N. D. Waggoner, Director
customers: 2,559
nameplate capacity (kW): gas 16,700
1987 kWh generated: 0
1987 kWh purchased: 30,292,200
1987 kWh sold: 26,702,673
1987 revenues: $1,885,000
established 1912

University of Texas at Austin
Drawer 7580
Austin, Texas 78712
(512) 471-6241
H. T. Ward, Utility Director
customers: not available
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1930

Waelder, City of
Box 427
Waelder, Texas 78959
(512) 665-7331
Alice Drake, Secretary
customers: 443
1987 kWh generated: 0
1987 kWh purchased: 6,629,900
1987 kWh sold: 5,899,343
1987 revenues: $249,000
established 1927

Weatherford, City of*
303 Palo Pinto St., Box 255
Weatherford, Texas 76086
(817) 594-5441
James R. Dickason, Director of Utilities
customers: 8,243
nameplate capacity (kW): oil 840
1987 kWh generated: 326,000
1987 kWh purchased: 167,877,000
1987 kWh sold: 160,846,499
1987 revenues: $11,376,000
established 1940

Weimar, City of†*
106 E. Main St.
Weimar, Texas 78962
(409) 725-8554
Francis E. Parks, City Manager
customers: 1,129
1987 kWh generated: 0
1987 kWh purchased: 27,475,000
1987 kWh sold: 25,793,000
1987 revenues: $1,366,000
established 1939

Whitesboro, City of
112 W. Main St., Box 340
Whitesboro, Texas 76273
(214) 564-3311
Joe N. West, City Administrator
customers: 1,575
nameplate capacity (kW): oil 1,400; gas 500
1987 kWh generated: not available
1987 kWh purchased: 22,001,000
1987 kWh sold: 19,896,153
1987 revenues: $1,503,000
established 1986

Yoakum, City of*
900 Irvine St., Box 738
Yoakum, Texas 77995
(512) 293-2641
Mark A. Stubbs, City Manager
customers: 3,041
1987 kWh generated: 0
1987 kWh purchased: 51,056,324
1987 kWh sold: 45,668,077
1987 revenues: $2,592,000

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

UTAH

Beaver City Corp.†
60 W. Center St.
Beaver City, Utah 84713
(801) 438-2451
Hal R. Lessing, City Recorder
customers: 865
nameplate capacity (kW): hydro 900
1987 kWh generated: 3,882,500
1987 kWh purchased: 17,741,690
1987 kWh sold: 17,657,814
1987 revenues: $1,065,000

Blanding, City of
50 W. 100 South
Blanding, Utah 84511
(801) 678-2791
Norman L. Johnson, Administrative/Recorder
customers: 1,212
1987 kWh generated: 0
1987 kWh purchased: 18,629,981
1987 kWh sold: 15,719,903
1987 revenues: $1,238,000
established 1941

Bountiful City, City of†*
198 S. 200 West St.
Bountiful City, Utah 84010
(801) 295-9496
Clifford C. Michaelis, Director
customers: 11,843
nameplate capacity (kW): oil 750; gas 14,524; hydro 4,500
1987 kWh generated: 9,509,493
1987 kWh purchased: 179,945,529
1987 kWh sold: 184,160,843
1987 revenues: $7,582,000
established 1935

Brigham City Corp.†*
20 N. Main St., Box A
Brigham City, Utah 84302
(801) 734-2001
James D. Davis, Director of Public Utilities
customers: 5,673
nameplate capacity (kW): hydro 1,700
1987 kWh generated: 10,844,200
1987 kWh purchased: 65,212,242
1987 kWh sold: 71,324,507
1987 revenues: $3,927,000
established 1905

Enterprise, Town of†*
15 S. 100 East
Enterprise, Utah 84725-0340
(801) 878-2412
Richard P. Truman, Supervisor
customers: 477
1987 kWh generated: 0
1987 kWh purchased: 6,478,982
1987 kWh sold: 5,735,017
1987 revenues: $285,000
established 1972

Ephraim, City of†
11 S. Main St.
Ephraim, Utah 84627
(801) 283-4451
Steve Olsen, Power Superintendent
customers: 942
nameplate capacity (kW): hydro 3,040
1987 kWh generated: 5,613,790
1987 kWh purchased: 15,591,059
1987 kWh sold: 19,826,307
1987 revenues: $1,158,000

Fairview City Corp.†
Box 97
Fairview, Utah 84629
(801) 427-3858
Kent Miner, City Manager
customers: 600
nameplate capacity (kW): oil 500; hydro 200
1987 kWh generated: 0
1987 kWh purchased: 6,320,938
1987 kWh sold: 5,400,045
1987 revenues: $432,404
established 1903

Fillmore City Corp.†*
96 S. Main St., Box 686
Fillmore, Utah 84631
(801) 743-5514
Roy Tomkinson, City Treasurer
customers: 842
1987 kWh generated: 0
1987 kWh purchased: 23,010,330
1987 kWh sold: 19,184,055
1987 revenues: $1,278,000
established 1918

Heber Light & Power Co.†*
31 S. 100 West
Heber City, Utah 84032
(801) 654-1581
Ray Farrell, General Manager
customers: 3,894
nameplate capacity (kW): gas 2,400; hydro 2,300
1987 kWh generated: 8,788,000
1987 kWh purchased: 37,273,215
1987 kWh sold: 39,139,167
1987 revenues: $2,677,000
established 1909

Helper, City of
73 S. Main St.
Helper, Utah 84526
(801) 472-5391
Robert Olsen, Mayor
customers: 1,051
1987 kWh generated: 0
1987 kWh purchased: 11,900,230
1987 kWh sold: 2,650,230
1987 revenues: $849,000
established 1900

Holden Town Corp.†
Box 127
Holden, Utah 84636
(801) 795-2228
Neil Stevens, Councilman
customers: 180
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1922

Hurricane Power Committee†*
Box 918
Hurricane, Utah 84737
(801) 635-2811
Rick Marchal, Director of Utility
customers: 1,478
1987 kWh generated: 0
1987 kWh purchased: 22,000,000
1987 kWh sold: 22,000,000
1987 revenues: $1,394,000
established 1974

Hyrum City Corp.†*
83 W. Main St.
Hyrum, Utah 84319
(801) 245-6033
Lynn Coulam, Treasurer
customers: 1,454
nameplate capacity (kW): hydro 500
1987 kWh generated: 3,243,000
1987 kWh purchased: 43,183,265
1987 kWh sold: 44,534,147
1987 revenues: $2,287,000

Kanab City Corp.*
76 N. Main # 14
Kanab, Utah 84741
(801) 644-2534
James H. Willis, Power Manager
customers: 1,200
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1987

Kanosh Corp., Town of†
Box 96
Kanosh, Utah 84637
(801) 759-2414
Frank Harding, Mayor
customers: 240
1987 kWh generated: 0
1987 kWh purchased: 2,280,768
1987 kWh sold: 2,245,658
1987 revenues: $159,000

Kaysville, City Corp.†*
23 E. Center
Kaysville, Utah 84037
(801) 544-8925
Walt Meacham, Electric Superintendent
customers: 3,690
nameplate capacity: unavailable
1987 kWh generated: 39,135,666
1987 kWh purchased: 9,954,596
1987 kWn sold: 39,898,386
1987 revenues: $2,949,000
established 1908

Lehi City, City of†
95 E. 100 N.
Lehi, Utah 84043
(801) 768-3545
Glen Carter, Power Superintendent
customers: 2,758
1987 kWh generated: 0
1987 kWh purchased: 21,810,497
1987 kWh sold: 21,810,497
1987 revenues: $1,519,000
established 1926

Levan Town Corp.†*
Box 104
Levan, Utah 84639
(801) 623-0701
Ted Bosh, Manager
customers: 205
nameplate capacity: unavailable
1987 kWh generated: 465,560
1987 kWh purchased: 2,984,517
1987 kWh sold: 3,023,574
1987 revenues: $151,000
established 1919

Logan, City of†*
255 N. Main St.
Logan, Utah 84321
(801) 752-3068
Vaun Bethers, Manager
customers: 11,519
nameplate capacity (kW): oil 6,700; hydro 7,900; coal 820,000
1987 kWh generated: 17,814,124
1987 kWh purchased: 164,116,900
1987 kWh sold: 167,955,021
1987 revenues: $10,820,000
established 1903

Manti, City of*
50 S. Main St.
Manti, Utah 84642
(801) 835-2401
Gene Rogers, Superintendent
customers: 1,084
nameplate capacity (kW): hydro 1,600
1987 kWh generated: 2,355,400
1987 kWh purchased: 13,259,440
1987 kWh sold: 13,259,440

1987 revenues: $797,000
established 1919

Meadow Town Corp.†
Box 88
Meadow, Utah 84644
(801) 842-7281
Dennis Bond, Electric Department Councilman
customers: 131
1987 kWh generated: 0
1987 kWh purchased: 1,696,027
1987 kWh sold: 1,501,207
1987 revenues: $102,000
established 1910

Monroe City, City of†
10 N. Main St., Box A
Monroe, Utah 84754
(801) 527-4621
Doug Gadd, Supervisor
customers: 680
nameplate capacity (kW): hydro 600
1987 kWh generated: 3,426,910
1987 kWh purchased: 7,001,749
1987 kWh sold: 8,834,320
1987 revenues: $553,000

Morgan City Corp.†*
48 W. Young St., Box 267, Room 32
Morgan, Utah 84050
(801) 829-3515
Dennis D. Woolsey, Power Superintendent
customers: 790
1987 kWh generated: 0
1987 kWh purchased: 10,159,029
1987 kWh sold: 8,779,284
1987 revenues: $395,000
established 1933

Mount Pleasant, City of†
115 W. Main St.
Mount Pleasant, Utah 84647
(801) 462-2456
Layne P. Long, City Administrator
customers: 958
nameplate capacity (kW): hydro 325
1987 kWh generated: 1,970,800
1987 kWh purchased: 13,912,312
1987 kWh sold: 13,542,193
1987 revenues: $961,000
established 1913

Murray, City of†*
153 W. 4800 South St.
Murray City, Utah 84107
(801) 264-2651
John Mohlman, General Manager
customers: 14,186
nameplate capacity (kW): gas 7,200; hydro 4,900
1987 kWh generated: 16,165,700
1987 kWh purchased: 241,016,236
1987 kWh sold: 229,732,988
1987 revenues: $14,663,000
established 1913

Nephi City Corp.*
21 E. First N.
Nephi, Utah 84648
(801) 623-0822
Lee Fowkes, Electrical Superintendent
customers: 1,446
nameplate capacity: unavailable
1987 kWh generated: 5,242,860
1987 kWh purchased: 28,420,540
1987 kWh sold: 32,339,283
1987 revenues: $1,904,000
established 1906

Oak City, Town of†*
Box 152
Oak City, Utah 84649
(801) 846-2991
Elaine Olsen, Clerk
customers: 229
1987 kWh generated: 0
1987 kWh purchased: 2,836,657
1987 kWh sold: 2,513,791
1987 revenues: $146,000
established 1926

Paragonah Municipal Light Department
Paragonah, Utah 84760
(801) 477-3605
Hazel Robinson,
customers: 165
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Parowan City Corp.†*
Box 576
Parowan, Utah 84761
(801) 477-3331
Jim Burns, City Manager
customers: 1,017
nameplate capacity (kW): hydro 1,200
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1929

Payson City Corp.†*
439 W. Utah Ave.
Payson, Utah 84651
(801) 465-2580
Ronnie Crump, Electrical Superintendent
customers: 2,850
1987 kWh generated: 0
1987 kWh purchased: 39,504,000
1987 kWh sold: 32,610,136
1987 revenues: $2,291,000
established 1902

Price Municipal Corp.
185 E. Main St., Box 893
Price, Utah 84501
(801) 637-5010
Art Martines, Mayor
customers: 3,500
1987 kWh generated: 0
1987 kWh purchased: 56,071,300
1987 kWh sold: 49,640,422
1987 revenues: $4,036,000

Provo City Power†*
251 W. 800 N., Box 658
Provo, Utah 84601
(801) 373-7170
Ronald D. Rydman, Director of Energy
customers: 30,141
nameplate capacity (kW): gas 10,000; coal 14,000
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1940

St. George, City of†*
175 E. 200 North
St. George, Utah 84770
(801) 634-5800
Wayne M. McArthur, Director of Utilities
customers: 9,243
nameplate capacity (kW): oil 31,600; hydro 600
1987 kWh generated: 1,677,200
1987 kWh purchased: 250,759,079
1987 kWh sold: 206,800,303
1987 revenues: $9,452,000
established 1942

Salem City Corp.*
30 W. 100 South St., Box 901
Salem, Utah 84653
(801) 423-2770
Paul J. Hair, City Recorder
customers: 63
1987 kWh generated: 0
1987 kWh purchased: 8,759,600
1987 kWh sold: 8,313,800
1987 revenues: $518,000
established 1922

Spanish Fork City, City of*
40 S. Main St.
Spanish Fork City, Utah 84660
(801) 798-3568
K. R. Johnson, Superintendent
customers: 3,549
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1919

Spring City Corp.†
Box 189
Spring City, Utah 84662
(801) 462-2282
Vern Fisher, City Manager
customers: 316
nameplate capacity: unavailable
1987 kWh generated: 1,113,700
1987 kWh purchased: 3,024,141
1987 kWh sold: 2,626,477
1987 revenues: $220,000
established 1912

Springville, City of†
50 Main St., Box 32
Springville, Utah 84663
(801) 489-3414
Calvin J. Baxter, Superintendent
customers: 4,293
nameplate capacity (kW): gas 14,000; hydro 2,400
1987 kWh generated: 8,979,546
1987 kWh purchased: 70,430,605
1987 kWh sold: 69,813,628
1987 revenues: $4,773,000
established 1906

Strawberry Electric Service District†
Box 70
Payson, Utah 84651
(801) 465-9273
Milt Theobald, Clerk
customers: 1,800
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1986

Washington, City of
111 N. 100 E Box 575
Washington, Utah 84780
(801) 628-1666
Ralph McClure, City Manager
customers: 1,600
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1988

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

VERMONT

Barton Village, Inc.
Main Street, Box D
Barton, Vt. 05822
(802) 525-4748
Robert B. Miller, Superintendent
customers: 1,648
nameplate capacity (kW): oil 1,400; hydro 1,400
1987 kWh generated: 4,818,395
1987 kWh purchased: 12,402,961
1987 kWh sold: 15,481,746
1987 revenues: $610,000

Burlington, City of†*
585 Pine St.
Burlington, Vt. 05401
(802) 658-0300
Robert C. Young, General Manager
customers: 17,521
nameplate capacity (kW): oil 28,000; gas 20,000; coal 10,000; other 75,000
1987 kWh generated: 84,084,500
1987 kWh purchased: 328,362,810
1987 kWh sold: 399,514,344
1987 revenues: $34,128,000
established 1905

Enosburg Falls, Village of*
Main Street
Enosburg Falls, Vt. 05450
(802) 933-5544
Bernard Machia, Superintendent
customers: 1,168
nameplate capacity (kW): oil 900; hydro 800
1987 kWh generated: 3,411,630
1987 kWh purchased: 14,047,360
1987 kWh sold: 15,516,373
1987 revenues: $0
established 1928

Hardwick, Village of†*
Box 516
Hardwick, Vt. 05843
(802) 472-5201
David Seuss, Superintendent
customers: 3,319
nameplate capacity (kW): oil 600; hydro 1,000
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Hyde Park, Village of*
Box 190
Hyde Park, Vt. 05655
(802) 888-2310
Janet E. Manosh, Clerk / Treasurer
customers: 877
1987 kWh generated: 0
1987 kWh purchased: 16,579,609
1987 kWh sold: 15,706,052

1987 revenues: $879,000
established 1895

Jacksonville, Village of
Jacksonville, Vt. 05342
(802) 368-2811
Julia B. Fox, Clerk/Treasurer
customers: 551
1987 kWh generated: 0
1987 kWh purchased: 4,736,570
1987 kWh sold: 4,381,482
1987 revenues: $390,000
established 1922

Johnson, Village of, Inc.
Box 603
Johnson, Vt. 05656
(802) 635-2301
Kenneth Phelps, Commissioner
customers: 713
1987 kWh generated: 0
1987 kWh purchased: 32,513,971
1987 kWh sold: 130,842,846
1987 revenues: $1,287,000
established 1894

Ludlow, Village of
Box 289
Ludlow, Vt. 05149
(802) 228-7766
Howard Barton, Superintendent
customers: 3,016
1987 kWh generated: 0
1987 kWh purchased: 39,836,610
1987 kWh sold: 36,320,753
1987 revenues: $2,790,000
established 1900

Lyndonville, Village of*
24 Main St.
Lyndonville, Vt. 05851
(802) 626-3366
Kenneth C. Mason, Manager
customers: 3,966
nameplate capacity (kW): hydro 2,300; other 462
1987 kWh generated: 7,490,603
1987 kWh purchased: 59,498,593
1987 kWh sold: 59,121,273
1987 revenues: $4,302,000
established 1896

Morrisville, Village of*
18 Portland St., Box 325
Morrisville, Vt. 05661-0325
(802) 888-4961
James C. Fox, Manager
customers: 2,733
nameplate capacity (kW): hydro 5,230
1987 kWh generated: 10,265,750
1987 kWh purchased: 47,645,109
1987 kWh sold: 46,016,334
1987 revenues: $3,244,000
established 1895

Northfield, Village of
26 S. Main St.
Northfield, Vt. 05663
(802) 485-5411
Edgar C. Gadbois, Superintendent
customers: 1,754
1987 kWh generated: 0
1987 kWh purchased: 35,069,764
1987 kWh sold: 24,140,477
1987 revenues: $1,839,000
established 1895

Orleans, Incorporated Village of
Memorial Square
Orleans, Vt. 05860
(802) 754-8584
Slayton R. Marsh, Superintendent
customers: 583
1987 kWh generated: 0
1987 kWh purchased: 16,365,090
1987 kWh sold: 15,690,242
1987 revenues: $987,000
established 1925

Readsboro, Village of
114 Main St., Box 236
Readsboro, Vt. 05350
(802) 423-5405
Town Clerk
customers: 295
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1936

Stowe, Village of
Main St., Box 190
Stowe, Vt. 05672
(802) 253-7215
Fred Hutchins, General Manager
customers: 2,568
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1896

Swanton, Village of*
120 First St.
Swanton, Vt. 05488
(802) 868-3397
Orman E. Croft, Manager
customers: 2,725
nameplate capacity (kW): hydro 4,600
1987 kWh generated: 18,268,780
1987 kWh purchased: 35,869,830
1987 kWh sold: 44,008,959
1987 revenues: $2,788,000
established 1894

VIRGIN ISLANDS

Virgin Islands Water & Power Authority†*
Building # 18 Sub Base, Box 1450
St. Thomas, Virgin Islands 00801
(809) 774-3552
Nellon L. Bowry, Acting Executive Director
customers: 42,038
nameplate capacity: unavailable
1987 kWh generated: 576,846,000
1987 kWh purchased: 0
1987 kWh sold: 435,691,000
1987 revenues: $49,661,000
established 1965

VIRGINIA

Bedford, City of*
215 E. Main St.
Bedford, Va. 24523
(703) 586-8963
Robert J. Schnabl, Electric Utility Director
customers: 5,510
nameplate capacity (kW): hydro 5,000
1987 kWh generated: 0
1987 kWh purchased: 172,235,000
1987 kWh sold: 159,662,482
1987 revenues: $9,034,000
established 1911

Blackstone, Town of*
100 W. Elm
Blackstone, Va. 23824
(804) 292-7251
Richard H. Lee, Town Manager
customers: 2,048
1987 kWh generated: 0
1987 kWh purchased: 33,167,800
1987 kWh sold: 31,713,610
1987 revenues: $2,290,000
established 1927

Bristol, City of*
300 Lee St.
Bristol, Va. 24203-8100
(703) 669-4112
Thomas E. Adams, General Manager
customers: 13,835
1987 kWh generated: 0
1987 kWh purchased: 456,171,250 (TVA)
1987 kWh sold: 428,179,494
1987 revenues: $22,145,000
established 1945

Culpeper, Town of*
118 W. Davis St.
Culpeper, Va. 22701-3092
(703) 825-4700
G. W. Griffin, Town Manager
customers: 1,910
nameplate capacity (kW): oil 1,600; gas 4,500
1987 kWh generated: 3,142,500
1987 kWh purchased: 34,614,800
1987 kWh sold: 35,852,994
1987 revenues: $2,419,000
established 1934

Danville, City of*†
418 Patton St., Box 3300
Danville, Va. 24543
(804) 799-5270
John R. Sweeney, Director of Utilities
customers: 42,672
nameplate capacity (kW): coal 28,000; hydro 10,125
1987 kWh generated: 35,864,800
1987 kWh purchased: 650,387,000
1987 kWh sold: 641,681,631
1987 revenues: $25,426,000
established 1886

Elkton, Town of†*
173 W. Spotswood Ave.
Elkton, Va. 22827
(703) 298-1330
Gerald K. Monger, Superintendent
customers: 878
1987 kWh generated: 0
1987 kWh purchased: 15,196,800
1987 kWh sold: 13,314,670
1987 revenues: $889,000

Franklin, City of*
Box 179
Franklin, Va. 23851
(804) 562-8568
Spurgeon R. Spivey, Director
customers: 3,897
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available
established 1891

Front Royal, Town of
Box 1560
Front Royal, Va. 22630
(703) 635-3111
C. W. Fristoe Jr., Superintendent
customers: 5,672
1987 kWh generated: 0
1987 kWh purchased: 102,475,000
1987 kWh sold: 9,331,106
1987 revenues: $5,090,000
established 1894

Harrisonburg, City of*
89 W. Bruce St.
Harrisonburg, Va. 22801
(703) 434-5361
Kenneth L. Frantz, General Manager
customers: 11,618
1987 kWh generated: 0
1987 kWh purchased: 358,974,000
1987 kWh sold: 345,588,304
1987 revenues: $20,392,000
established 1957

Manassas, City of†*
9027 Center St., Box 560
Manassas, Va. 22110
(703) 335-8226
Clyde D. Wimmer, Assistant City Manager
customers: 9,235
nameplate capacity: unavailable
1987 kWh generated: 278,600
1987 kWh purchased: 193,368,200
1987 kWh sold: 183,414,516
1987 revenues: $12,550,000
established 1912

Martinsville, City of†*
55 W. Church St.
Martinsville, Va. 24114
(703) 638-3971
Robert I. Corekin, Director
customers: 7,977
nameplate capacity (kW): hydro 1,300
1987 kWh generated: 3,343,200
1987 kWh purchased: 193,463,303
1987 kWh sold: 187,032,737
1987 revenues: $10,871,000
established 1900

Radford, City of†*
701 17th St.
Radford, Va. 24141
(703) 731-3641
W. E. Willis, Superintendent
customers: 5,772
nameplate capacity (kW): hydro 1,000
1987 kWh generated: 6,323,000
1987 kWh purchased: 205,724,000
1987 kWh sold: 203,154,000
1987 revenues: $10,009,000
established 1930

Richlands, Town of*
217 Railroad Ave.
Richlands, Va. 24641
(703) 964-2567
Garnet Sword, Electrical Superintendent
customers: 2,900
1987 kWh generated: 0
1987 kWh purchased: 57,531,550
1987 kWh sold: 52,029,110
1987 revenues: $3,813,000

Richmond, City of
600 E. Broad St., Room 828
Richmond, Va. 23219
(804) 780-4884
Jerry N. Johnson, Acting Director
customers: not available
nameplate capacity (kW): hydro 3,149
1987 kWh generated: not available
1987 kWh purchased: not available
1987 kWh sold: not available
1987 revenues: not available

Salem, City of*
19 N. Broad St.
Salem, Va. 24153
(703) 375-3030
R. A. Oliver, Superintendent
customers: 11,097
1987 kWh generated: 0
1987 kWh purchased: 307,008,000
1987 kWh sold: 278,822,000
1987 revenues: $15,653,000
established 1894

Virginia Polytechnic Institute
1421 N. Main St., Shenandoah Shopping Center
Blacksburg, Va. 20460
(703) 961-6109
R. E. Powell, Assistant Director
customers: 4,958
nameplate capacity: unavailable
1987 kWh generated: 18,800,000
1987 kWh purchased: 171,918,000
1987 kWh sold: 180,580,802
1987 revenues: $8,261,000

Wakefield, Town of
Box 550
Wakefield, Va. 23888
(804) 899-2361
Marvin C. Stephenson, Superintendent of Utilities
customers: 567
1987 kWh generated: 0
1987 kWh purchased: 9,460,800
1987 kWh sold: 8,574,545
1987 revenues: $591,000
established 1922

WASHINGTON

Benton County, Public Utility District No. 1 of†*
Box 6270
Kennewick, Wash. 99336
(509) 582-2175
Donald R. Clayhold, Manager
customers: 31,995
1987 kWh generated: 0
1987 kWh purchased: 1,269,750,377
1987 kWh sold: 1,229,471,377
1987 revenues: $38,849,000
established 1934

Blaine, City of*
344 H. St., Box 490
Blaine, Wash. 98230
(206) 332-8311
Dale A. Ennor, City Manager
customers: 1,687
1987 kWh generated: 0
1987 kWh purchased: 44,461,960
1987 kWh sold: 41,521,910
1987 revenues: $1,686,000
established 1907

Cashmere, City of
101 Woodring St.
Cashmere, Wash. 98815
(509) 782-3513
Diane Underwood, Clerk/Treasurer
customers: 1,640
1987 kWh generated: 0
1987 kWh purchased: 47,002,500
1987 kWh sold: 463,086
1987 revenues: $818,470
established 1908

Centralia, City of*
1100 N. Tower Ave.
Centralia, Wash. 98531
(206) 736-7611
William C. Cummings, Director
customers: 7,265
nameplate capacity (kW): hydro 12,000
1987 kWh generated: 75,041,100
1987 kWh purchased: 113,277,727
1987 kWh sold: 176,426,822
1987 revenues: $5,416
established 1895

Chelan County, Public Utility District No. 1 of†*
Box 1231, 327 N. Wenatchee Ave.
Wenatchee, Wash. 98801
(509) 663-8121
Gerald L. Copp, Manager
customers: 27,899
nameplate capacity (kW): hydro 1,941,850
1987 kWh generated: 8,277,419,220
1987 kWh purchased: 280,740,452
1987 kWh sold: 8,989,480,003
1987 revenues: $82,805,000
established 1936

Cheney, City of
112 Anderson Road
Cheney, Wash. 99004
(509) 235-7235
Tom G. Richardson, Director, Light Department
customers: 2,807
1987 kWh generated: 0
1987 kWh purchased: 95,740,740
1987 kWh sold: 93,745,374
1987 revenues: $3,685,000
established 1931

Chewelah, City of
102 Webster Ave.
Chewelah, Wash. 99109
(509) 935-8313
David L. Park, Electric Dept. Mgr.
customers: 993
1987 kWh generated: 0
1987 kWh purchased: 21,348,234
1987 kWh sold: 19,673,763
1987 revenues: $978,000
established 1929

Clallam County, Public Utility District No. 1 of†*
2419 Highway 101 E., Box 1117
Port Angeles, Wash. 98362
(206) 452-9771
Philip K. Jackson, Manager
customers: 18,947
1987 kWh generated: 0
1987 kWh purchased: 394,449,962
1987 kWh sold: 374,403,689
1987 revenues: $16,229,000
established 1944

Clark County, Public Utility District No. 1 of*
1200 Fort Vancouver Way, Box C-005
Vancouver, Wash. 98663
(206) 699-3000
Bruce Bosch, General Manager
customers: 91,379
1987 kWh generated: 0
1987 kWh purchased: 2,729,752,713
1987 kWh sold: 2,606,913,841
1987 revenues: $95,764,000
established 1938

Coulee Dam, City of
Box 156
Coulee Dam, Wash. 99116
(509) 633-1091
Maxine Williams, Clerk
customers: 590
1987 kWh generated: 0
1987 kWh purchased: 17,222,000
1987 kWh sold: 16,631,000
1987 revenues: $468,000
established 1959

Cowlitz County, Public Utility District No. 1 of†*
960 Commerce Ave., Box 3007
Longview, Wash. 98632
(206) 423-2210
Robert L. McKinney, General Manager
customers: 37,060
nameplate capacity (kW): coal 35,000; hydro 35,000
1987 kWh generated: 183,272,000
1987 kWh purchased: 3,841,360,000
1987 kWh sold: 3,953,455,000
1987 revenues: $85,818,000
established 1936

Douglas County, Public Utility District No. 1 of*
1151 Valley Mall Parkway
East Wenatchee, Wash. 98802
(509) 884-7191
Eldon E. Landin, Manager
customers: 11,552
nameplate capacity (kW): hydro 774,000
1987 kWh generated: 3,738,144,000
1987 kWh purchased: 1,308,511,000
1987 kWh sold: 4,503,388,976
1987 revenues: $31,842,000
established 1945

Eatonville, Town of
201 Center St. W., Box 309
Eatonville, Wash. 98328
(206) 832-3244
Stanley Dekofski, Electrical Supervisor
customers: 595
1987 kWh generated: 0
1987 kWh purchased: 15,905,742
1987 kWh sold: 15,101,404
1987 revenues: $566,000
established 1913

Ellensburg, City of*
420 N. Pearl St.
Ellensburg, Wash. 98926
(509) 962-9863
Doug Williams, City Manager
customers: 5,338
1987 kWh generated: 0
1987 kWh purchased: 150,311,143
1987 kWh sold: 145,288,573
1987 revenues: $5,459,000
established 1891

Ferry County, Public Utility District No. 1 of
686 S. Clark Ave.
Republic, Wash. 99166
(509) 775-3325
Kenneth R. Coyle, Manager
customers: 2,208
1987 kWh generated: 0
1987 kWh purchased: 64,735,050
1987 kWh sold: 59,966,076
1987 revenues: $2,779,000
established 1936

Fircrest, Town of
115 Ramsdell St.
Tacoma, Wash. 98466
(206) 564-8900
James Calentine, Town Administrator
customers: 2,170
1987 kWh generated: 0
1987 kWh purchased: 41,147,420
1987 kWh sold: 38,466,557
1987 revenues: $1,514,000
established 1925

Franklin County, Public Utility District No. 1 of*
1411 W. Clark St.
Pasco, Wash. 99301
(509) 547-5591
Kenneth A. Sugden, Manager
customers: 15,424
1987 kWh generated: 0
1987 kWh purchased: 579,705,881
1987 kWh sold: 543,952,978
1987 revenues: $17,171,000

Grant County, Public Utility District No. 2 of†*
30 C. St. N.W., Box 878
Ephrata, Wash. 98823
(509) 754-3541
John L. McMahan, Manager
customers: 30,166
nameplate capacity (kW): hydro 1,629,150
1987 kWh generated: 3,002,157,000
1987 kWh purchased: 69,496,000
1987 kWh sold: 2,694,211,000
1987 revenues: $41,601,000
established 1942

Grays Harbor County, Public Utility District No. 1 of†*
2720 Sumner Ave., Box 480
Aberdeen, Wash. 98520
(206) 532-4220
Stephen Romjue, General Manager
customers: 32,980
nameplate capacity (kW): coal 26,596
1987 kWh generated: 367,986,559
1987 kWh purchased: 1,121,830,882
1987 kWh sold: 1,425,727,148
1987 revenues: $45,580,000
established 1938

Kittitas County, Public Utility District No. 1 of*
1400 E. Vantage Highway
Ellensburg, Wash. 98926
(509) 925-3164
George Harmon, Manager
customers: 1,833
1987 kWh generated: 0
1987 kWh purchased: 39,612,090
1987 kWh sold: 35,155,977
1987 revenues: $1,546,000
established 1936

Klickitat County, Public Utility District No. 1 of*
1313 S. Columbus Ave.
Goldendale, Wash. 98620
(509) 773-5891
Alexander Thomson, General Manager
customers: 8,140
1987 kWh generated: 0
1987 kWh purchased: 205,000,000
1987 kWh sold: 192,000,000
1987 revenues: $7,400,000
established 1938

Lewis County, Public Utility District No. 1 of*
321 Northwest Pacific Ave., Box 330
Chehalis, Wash. 98532
(206) 748-9261
Gary H. Kalich, Manager
customers: 21,621
nameplate capacity: unavailable
1987 kWh generated: 1,141,600
1987 kWh purchased: 601,872,336
1987 kWh sold: 567,474,835
1987 revenues: $20,363,000
established 1936

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

Mason County, Public Utility District No. 1 of*
N21971 Highway 101
Shelton, Wash. 98584
(206) 877-5249
Debbie Knipschield, Manager
customers: 3,667
1987 kWh generated: 0
1987 kWh purchased: 48,830,342
1987 kWh sold: 43,178,379
1987 revenues: $2,449,000
established 1936

Mason County, Public Utility District No. 3 of*
Third & Cota Sts., Box 490
Shelton, Wash. 98584
(206) 426-8255
Ed Blakemore, Manager
customers: 22,515
1987 kWh generated: 0
1987 kWh purchased: 391,070,990
1987 kWh sold: 363,979,171
1987 revenues: $16,479,000
established 1939

McCleary, City of*
Box 360
McCleary, Wash. 98557
(206) 495-3667
Wally Croshaw, Utilities Coordinator
customers: 837
1987 kWh generated: 0
1987 kWh purchased: 32,326,713
1987 kWh sold: 32,326,713
1987 revenues: $1,124,000
established 1948

Milton, Town of
1000 Laural
Milton, Wash. 98354
(206) 922-8733
Dale O. Jones, Supt.-Public Works
customers: 2,124
1987 kWh generated: 0
1987 kWh purchased: 36,813,406
1987 kWh sold: 36,813,406
1987 revenues: $1,573,000
established 1945

Okanogan County, Public Utility District No. 1 of*
1331 N. Second Ave.
Okanogan, Wash. 98840
(509) 422-3310
Harlan Warner, Manager
customers: 17,145
1987 kWh generated: 0
1987 kWh purchased: 525,875,961
1987 kWh sold: 488,377,483
1987 revenues: $12,972,000
established 1945

Pacific County, Public Utility District No. 2 of
405 Duryea St., Box 472
Raymond, Wash. 98577
(206) 942-2411
R. A. Mergens, Manager
customers: 13,566
1987 kWh generated: 0
1987 kWh purchased: 235,365,340
1987 kWh sold: 227,932,112
1987 revenues: $8,385,000
established 1940

Pend Oreille County, Public Utility District No. 1 of*
130 N. Washington, PO Box 190
Newport, Wash. 99156
(509) 447-3137
Jim McCampbell, Manager
customers: 3,852
nameplate capacity (kW): hydro 60,600
1987 kWh generated: 447,471,195
1987 kWh purchased: 16,664,000
1987 kWh sold: 441,214,996
1987 revenues: $5,215,000
established 1948

Port Angeles, City of
321 E. Fifth St.
Port Angeles, Wash. 98362
(206) 457-0411
Robert E. Orton, Director
customers: 8,458
nameplate capacity: unavailable
1987 kWh generated: 98,418
1987 kWh purchased: 654,513,882
1987 kWh sold: 652,422,314
1987 revenues: $18,141,000
established 1893

Richland, City of*
505 Swift Blvd., Box 190
Richland, Wash. 99352
(509) 943-9161
Don Carter, Acting Energy Services Dir.
customers: 14,460
1987 kWh generated: 0
1987 kWh purchased: 545,525,787
1987 kWh sold: 528,605,607
1987 revenues: $18,673,000
established 1958

Ruston, City of
5117 N. Winnifred St.
Ruston via Tacoma, Wash. 98407
(206) 759-3544
Gary McDonald, Superintendent
customers: 320
1987 kWh generated: 0
1987 kWh purchased: 5,177,600
1987 kWh sold: 4,831,994
1987 revenues: $149,000
established 1928

Seattle, City of†*
1015 3rd Ave.
Seattle, Wash. 98104
(206) 684-3200
Randall W. Hardy, Superintendent
customers: 308,604
nameplate capacity (kW): coal 53,192; hydro 1,074,000
1987 kWh generated: 6,229,771,417
1987 kWh purchased: 2,717,084,691
1987 kWh sold: 8,108,726,000
1987 revenues: $245,526,000
established 1902

Skamania County, Public Utility District No. 1 of†*
Box 500
Carson, Wash. 98610
(509) 427-5126
William F. Yee, Manager
customers: 3,913
1987 kWh generated: 0
1987 kWh purchased: 104,636,993
1987 kWh sold: 95,873,808
1987 revenues: $3,553,000
established 1938

Snohomish County, Public Utility District No. 1 of†*
2320 California Ave., Box 1107
Everett, Wash. 98206
(206) 258-8211
Charles Earl, Manager
customers: 177,819
nameplate capacity (kW): coal 53,192
1987 kWh generated: 896,310,000
1987 kWh purchased: 3,986,998,910
1987 kWh sold: 4,609,670,829
1987 revenues: $183,760,000
established 1949

Steilacoom, Town of
1715 Lafayette St.
Steilacoom, Wash. 98388
(206) 582-1900
Fred Wilmeth, Town Administrator
customers: 3,500
1987 kWh generated: 0
1987 kWh purchased: 38,142,500
1987 kWh sold: 36,428,696
1987 revenues: $1,403,000
established 1914

Sumas, City of
Box 9
Sumas, Wash. 98295
(206) 988-5711
Lawrence Silvis, Util. Superintendent
customers: 395
1987 kWh generated: 0
1987 kWh purchased: 9,900,283
1987 kWh sold: 9,145,949
1987 revenues: $372,000
established 1934

Tacoma, City of*
3628 S. 35th St., Box 11007
Tacoma, Wash. 98409
(206) 383-2471
E. E. Coates, Dir. of Utilities
customers: 120,800
nameplate capacity (kW): oil 53,000; coal 53,192; hydro 700,200
1987 kWh generated: 2,755,311,583
1987 kWh purchased: 3,637,573,000
1987 kWh sold: 6,612,294,882
1987 revenues: $145,971,000
established 1893

Vera Irrigation District No. 15*
N. 601 Evergreen Road
Spokane, Wash. 99216
(509) 924-3800
Joe W. Custer, General Manager
customers: 5,782
1987 kWh generated: 0
1987 kWh purchased: 149,883,961
1987 kWh sold: 141,355,119
1987 revenues: $4,814,000
established 1938

Wahkiakum Count, Public Utility District No. 1 of*
45 River St., Box 248
Cathlamet, Wash. 98612
(206) 795-3266
Charles W. Weber, General Manager
customers: 1,702
1987 kWh generated: 0
1987 kWh purchased: 30,395,634
1987 kWh sold: 27,626,195
1987 revenues: $1,330,000
established 1940

Waterville, Town of
Box 580
Waterville, Wash. 98858
(509) 745-8871
Carl E. Koenig, Light Superintendent
customers: 532
1987 kWh generated: 0
1987 kWh purchased: 14,445,000
1987 kWh sold: 12,339,000
1987 revenues: $307,000
established 1902

Whatcom County, Public Utility District No. 1 of
215 Mason Building
Bellingham, Wash. 98225
(206) 384-1410
Frank Spisak, Manager
customers: 1
1987 kWh generated: 0
1987 kWh purchased: 153,319,628
1987 kWh sold: 135,408,040
1987 revenues: $3,245,000
established 1937

WEST VIRGINIA

New Martinsville, City of†*
200 Leap St.
New Martinsville, W.Va. 26155
(304) 455-3442
William L. Drennen, Eec. Superintendent
customers: 1,906
1987 kWh generated: 0
1987 kWh purchased: 29,995,200
1987 kWh sold: 28,535,851
1987 revenues: $0
established 1929

Philippi, City of†*
108 N. Main St.
Philippi, W.Va. 26416
(304) 457-3701
Joseph P. Mattaliano, City Manager
customers: 1,693
1987 kWh generated: 0
1987 kWh purchased: 28,032,000
1987 kWh sold: 25,173,517
1987 revenues: $1,532,000
established 1932

WISCONSIN

Algoma Utility Commission†*
520 Parkway Ave.
Algoma, Wis. 54201
(414) 487-5556
Roland C. Lecloux, Superintendent
customers: 1,826
1987 kWh generated: 0
1987 kWh purchased: 34,235,000
1987 kWh sold: 32,937,000
1987 revenues: $1,776,000
established 1903

Arcadia, City of
Box 126
Arcadia, Wis. 66711
(608) 323-7347
Ronald L. Darbo, Superintendent
customers: 216
1987 kWh generated: 0
1987 kWh purchased: 1,570,400
1987 kWh sold: 1,270,826
1987 revenues: $123,000
established 1903

Argyle, City of
401 Milwaukee St.
Argyle, Wis. 53504
(608) 543-3113
Marjorie Treuthardt, Clerk
customers: 442
nameplate capacity (kW): oil 1,436
1987 kWh generated: 117,620
1987 kWh purchased: 6,226,972
1987 kWh sold: 6,099,192
1987 revenues: $247,000

Bangor, City of
106 15th Ave. N.
Bangor, Wis. 54614
(608) 486-2151
Wesley Kjome, Manager
customers: 1,411
1987 kWh generated: 0
1987 kWh purchased: 30,369,600
1987 kWh sold: 27,961,000
1987 revenues: $1,458,000

Barron, City of*
1303 E Division Ave.
Barron, Wis. 54812
(715) 537-3855
David Hoff, Superintendent
customers: 1,543
nameplate capacity (kW): oil 7,300; hydro 200
1987 kWh generated: 411,066
1987 kWh purchased: 31,226,000
1987 kWh sold: 29,546,000
1987 revenues: $1,478,000
established 1908

Belmont, Village of
222 Mound Ave., Box 6
Belmont, Wis. 53510
(608) 762-5142
Dan Van Natta, Public Wks Director
customers: 419
1987 kWh generated: 0
1987 kWh purchased: 5,695,200
1987 kWh sold: 5,455,292
1987 revenues: $305,000
established 1900

Benton, Village of
Main Street, Box 91
Benton, Wis. 53803
(608) 759-3721
William Griffin, Clerk/Treasurer
customers: 443
1987 kWh generated: 0
1987 kWh purchased: 4,414,600
1987 kWh sold: 4,232,519
1987 revenues: $278,000

Black Earth, Village of
1210 Mills St., Box 347
Black Earth, Wis. 53515
(608) 767-2563
Dwane Garfoot, Dir. of Public Wks.
customers: 894
1987 kWh generated: 0
1987 kWh purchased: 11,062,800
1987 kWh sold: 10,311,046
1987 revenues: $694,000

Black River Falls, City of†*
119 N. Water St.
Black River Falls, Wis. 54615
(715) 284-9463
Loren Radcliffe, Utility Admnr.
customers: 2,334
nameplate capacity (kW): oil 3,100; hydro 900
1987 kWh generated: 4,485
1987 kWh purchased: 36,197
1987 kWh sold: 39,553
1987 revenues: $1,874,000
established 1904

Bloomer Electric & Water
1503 Main St.
Bloomer, Wis. 54724
(715) 568-3032
Charles H. Cole, Manager
customers: 1,620
1987 kWh generated: 0
1987 kWh purchased: 40,262,400
1987 kWh sold: 38,799,000
1987 revenues: $1,711,000
established 1908

Boscobel, City of†*
1031 Wisconsin Ave.
Boscobel, Wis. 53805
(608) 375-5002
Lionel Schlump, President
customers: 1,583
1987 kWh generated: 0
1987 kWh purchased: 26,603,199
1987 kWh sold: 24,055,405
1987 revenues: $1,426,000
established 1898

Brodhead Water & Light Commission
1108 11th St.
Brodhead, Wis. 53520
(608) 897-2138
Carroll Sheafor, Superintendent
customers: 1,594
1987 kWh generated: 0
1987 kWh purchased: 26,871,944
1987 kWh sold: 24,637,944
1987 revenues: $1,361,000
established 1913

Cadott, City of
Box 37
Cadott, Wis. 54727
(715) 289-4282
Leona Hart, Secretary
customers: 632
1987 kWh generated: 0
1987 kWh purchased: 10,104,000
1987 kWh sold: 9,332,000
1987 revenues: $507,000
established 1901

Cashton, Village of
709 Main St.
Cashton, Wis. 54619
(608) 654-7828
John Hauser, Superintendent
customers: 466
nameplate capacity (kW): oil 1,940
1987 kWh generated: 37,300
1987 kWh purchased: 5,770,020
1987 kWh sold: 5,503,171
1987 revenues: $259,000
established 1909

Cedarburg Light & Water Comm.†*
N. 30 W. 5926 Lincoln Blvd.
Cedarburg, Wis. 53012
(414) 377-1280
Glenn W. Frank, Manager
customers: 4,811
nameplate capacity (kW): gas 12,000
1987 kWh generated: 0
1987 kWh purchased: 94,926,000
1987 kWh sold: 90,347,000
1987 revenues: $4,917,000
established 1914

Centuria, Village of
305 Wisconsin Ave.
Centuria, Wis. 54824
(715) 646-2300
Glenn Melin, President
customers: 395
1987 kWh generated: 0
1987 kWh purchased: 4,297,000
1987 kWh sold: 4,129,000
1987 revenues: $230,000
established 1946

Clintonville, City of
65 E. 12th St., Box 359
Clintonville, Wis. 54929
(715) 823-2118
John Schroeder, Superintendent
customers: 2,441
1987 kWh generated: 0
1987 kWh purchased: 50,918,000
1987 kWh sold: 48,117,771
1987 revenues: $2,902,000

Columbus, City of*
361 N. Water St., Box 228
Columbus, Wis. 53925
(414) 623-5912
John Andler, Superintendent
customers: 2,129
1987 kWh generated: 0
1987 kWh purchased: 43,147,200
1987 kWh sold: 41,353,262
1987 revenues: $2,124,000
established 1899

Cornell, City of
300 Park Road
Cornell, Wis. 54732
(715) 239-3143
David DeJongh, Clerk/Treasurer
customers: 809
1987 kWh generated: 0
1987 kWh purchased: 12,049,000
1987 kWh sold: 11,340,000
1987 revenues: $619,000
established 1937

Cuba City, City of†*
108 N. Main St.
Cuba City, Wis. 53807
(608) 744-2152
Kathy H. Schultz, Clerk/Treasurer
customers: 994
1987 kWh generated: 0
1987 kWh purchased: 12,993,391
1987 kWh sold: 11,903,100
1987 revenues: $655,000
established 1921

Cumberland, City of*
1265 Second Ave., Box 726
Cumberland, Wis. 54829
(715) 822-2595
Charles Christensen, General Manager
customers: 1,167
nameplate capacity (kW): oil 9,165; gas 2,050
1987 kWh generated: 244,200
1987 kWh purchased: 28,836,000
1987 kWh sold: 27,312,900
1987 revenues: $1,607,000
established 1898

Eagle River, City of†*
Box 218
Eagle River, Wis. 54521
(715) 479-8121
Lee McFaul, Manager
customers: 1,063
1987 kWh generated: 0
1987 kWh purchased: 22,582,200
1987 kWh sold: 21,714,975
1987 revenues: $1,254,000
established 1898

Elkhorn Light & Water Comm.†*
9 S. Broad St., Box 920
Elkhorn, Wis. 53121
(414) 723-2910
Gary Hislop, Public Works Director
customers: 2,591
1987 kWh generated: 0
1987 kWh purchased: 61,437,000
1987 kWh sold: 58,201,000
1987 revenues: $3,228,000
established 1898

Elroy, City of
225 Main St.
Elroy, Wis. 53929
(608) 462-8246
P. A. Kalodrich, Clerk
customers: 783
nameplate capacity (kW): gas 2,725
1987 kWh generated: 0
1987 kWh purchased: 14,073,000
1987 kWh sold: 12,990,000
1987 revenues: $558,000
established 1899

Evansville, City of
31 S. Madison St.
Evansville, Wis. 53536
(608) 882-5214
Randall Rasmussen, Manager
customers: 2,223
1987 kWh generated: 0
1987 kWh purchased: 41,073,600
1987 kWh sold: 38,982,700
1987 revenues: $2,103,000
established 1902

Fennimore, City of
860 Lincoln Ave.
Fennimore, Wis. 53809
(608) 822-6110
Charles J. Leuck, Director-Pub Wks
customers: 1,171
nameplate capacity (kW): oil 5,123
1987 kWh generated: 85,600
1987 kWh purchased: 22,688,923
1987 kWh sold: 21,842,618
1987 revenues: $1,077,000
established 1904

Florence Water & Light Commission†*
500 Spring Ave., Box 109
Florence, Wis. 54121
(715) 528-3330
Robert Friberg, Manager
customers: 845
1987 kWh generated: 0
1987 kWh purchased: 8,286,142
1987 kWh sold: 7,645,001
1987 revenues: $458,000
established 1898

Gresham, Village of
Main Street, Box 50
Gresham, Wis. 54128-0050
(715) 787-3244
James C. Newberg, Superintendent
customers: 893
nameplate capacity (kW): oil 500; hydro 1,100
1987 kWh generated: 3,452,020
1987 kWh purchased: 6,141,600
1987 kWh sold: 8,843,442
1987 revenues: $507,000
established 1928

Hartford, City of†*
109 N. Main St.
Hartford, Wis. 53027
(414) 673-4000
Lucian Darin, Dir. of Public Works
customers: 3,091
1987 kWh generated: 0
1987 kWh purchased: 68,010,156
1987 kWh sold: 65,040,168
1987 revenues: $3,501,000
established 1912

Hazel Green, Village of
1610 Fairplay St., Box 367
Hazel Green, Wis. 53811
(608) 854-2711
James Kolbe, Superintendent
customers: 521
1987 kWh generated: 0
1987 kWh purchased: 6,513,600
1987 kWh sold: 5,920,798
1987 revenues: $328,000
established 1908

Hustisford, City of
210 S. Lake St.
Hustisford, Wis. 53034
(414) 349-3650

*Member, American Public Power Association
†Member, Demonstration of Energy-Efficient Developments program

Richard Kirchoff, Superintendent
customers: 1,079
1987 kWh generated: 0
1987 kWh purchased: 14,610,600
1987 kWh sold: 13,748,242
1987 revenues: $811,000

Jefferson, City of†*
121 W. Racine St.
Jefferson, Wis. 53549
(414) 674-3313
Bruce Folbrecht, Superintendent
customers: 2,868
1987 kWh generated: 0
1987 kWh purchased: 119,572,360
1987 kWh sold: 104,652,036
1987 revenues: $5,459,000
established 1901

Juneau Utility Commission
150 Miller St., Box 163
Juneau, Wis. 53039
(414) 386-2521
Cheryl Giese, Clerk/Treasurer
customers: 836
1987 kWh generated: 0
1987 kWh purchased: 24,156,000
1987 kWh sold: 22,602,000
1987 revenues: $1,182,000
established 1914

Kaukauna, City of†*
777 Island St., Box 1777
Kaukauna, Wis. 54130
(414) 766-5721
Ernest J. Mullen, General Manager
customers: 9,239
nameplate capacity (kW): oil 6,000; gas 18,000; hydro 16,100
1987 kWh generated: 96,427,708
1987 kWh purchased: 403,599,000
1987 kWh sold: 486,012,000
1987 revenues: $16,755,000
established 1912

Kiel, City of†*
621 Sixth St.
Kiel, Wis. 53042
(414) 894-2669
Richard W. Wright, Superintendent
customers: 1,676
1987 kWh generated: 0
1987 kWh purchased: 45,744,000
1987 kWh sold: 42,647,000
1987 revenues: $2,152,000
established 1914

La Farge Mun. Electric Company
Main Street
La Farge, Wis. 54639
(608) 625-2330
Cecil Rolfe, Manager
customers: 518
nameplate capacity (kW): oil 1,307
1987 kWh generated: 13,000
1987 kWh purchased: 4,987,600
1987 kWh sold: 4,695,000
1987 revenues: $179,000

Lake Mills, City of†*
101 Church St.
Lake Mills, Wis. 53551
(414) 648-2344
Michael G. Lewis, City Manager
customers: 2,737
1987 kWh generated: 0
1987 kWh purchased: 48,664
1987 kWh sold: 46,296,000
1987 revenues: $2,372,000
established 1911

Lodi, City of*
113 S. Main St., City Hall
Lodi, Wis. 53555
(608) 592-3246
Rodney Maier, Superintendent
customers: 1,070
1987 kWh generated: 0
1987 kWh purchased: 15,632,000
1987 kWh sold: 14,912,000
1987 revenues: $853,000
established 1894

Manitowoc, City of†*
1303 S. 8th St., Box 1090
Manitowoc, Wis. 54221-1090
(414) 683-4600
Arlyn S. Libal, General Manager
customers: 14,899
nameplate capacity (kW): gas 10,500; coal 79,000
1987 kWh generated: 162,180,000
1987 kWh purchased: 227,351,000
1987 kWh sold: 375,073,522
1987 revenues: $18,429,000
established 1914

Marshfield, City of*
2000 S. Roddis Ave.
Marshfield, Wis. 54449
(715) 387-1195
Joseph C. Pacovsky, Manager
customers: 10,884
nameplate capacity (kW): gas 14,000; coal 29,000
1987 kWh generated: 36,191,900
1987 kWh purchased: 234,602,558
1987 kWh sold: 253,624,240
1987 revenues: $13,504,000
established 1904

Mazomanie, Village of
133 Crescent St.
Mazomanie, Wis. 53560
(608) 767-2761
Chris Dietzen, President
customers: 649
1987 kWh generated: 0
1987 kWh purchased: 7,970,400
1987 kWh sold: 7,680,393
1987 revenues: $429,000
established 1894

Medford, City of*
330 S. Whelen Ave., Box 358
Medford, Wis. 54451
(715) 748-3211
Michael A. Frey, Manager
customers: 2,652
1987 kWh generated: 0
1987 kWh purchased: 77,666,400
1987 kWh sold: 74,918,963
1987 revenues: $3,294,000
established 1944

Menasha, City of†*
182 Main St., Box 340
Menasha, Wis. 54952
(414) 729-5180
Robert E. Hogan, General Manager
customers: 6,592
nameplate capacity (kW): oil 1,000; coal 30,000
1987 kWh generated: 39,154,800
1987 kWh purchased: 92,232,000
1987 kWh sold: 129,548,307
1987 revenues: $6,887,000
established 1905

Merrillan, City of
101 S. Main St.
Merrillan, Wis. 54754
(715) 333-2322
Ted B. Meinholdt, Superintendent
customers: 307
nameplate capacity (kW): oil 814, hydro 100
1987 kWh generated: 21,000
1987 kWh purchased: 3,026,000
1987 kWh sold: 2,865,000
1987 revenues: $166,000
established 1904

Mt. Horeb, Village of
138 E. Main St.
Mt. Horeb, Wis. 53572
(608) 437-3084
Elwin Bendickson, Superintendent
customers: 2,348
1987 kWh generated: 0
1987 kWh purchased: 37,714,000
1987 kWh sold: 35,949,000
1987 revenues: $1,865,000
established 1939

Muscoda, City of†*
206 N. Wisconsin Ave.
Muscoda, Wis. 53573
(608) 739-3390
Jay R. Goers, Superintendent
customers: 880
nameplate capacity (kW): oil 97,000; hydro 60
1987 kWh generated: 212,090
1987 kWh purchased: 16,909,813
1987 kWh sold: 15,433,217
1987 revenues: $946,000
established 1907

New Glarus, City of
313 2nd St.
New Glarus, Wis. 53574
(608) 527-2913
Jack Henning, Superintendent
customers: 920
1987 kWh generated: 0
1987 kWh purchased: 13,878,000
1987 kWh sold: 15,069,000
1987 revenues: $759,000
established 1902

New Holstein, City of†*
2110 Washington St.
New Holstein, Wis. 53061
(414) 898-5776
Ernest R. Dyer Sr., Superintendent
customers: 2,023
1987 kWh generated: 0
1987 kWh purchased: 55,332,000
1987 kWh sold: 52,989,000
1987 revenues: $2,874,000
established 1912

New Lisbon Municipal Light and Water Department
218 E. Bridge St.
New Lisbon, Wis. 53950
(608) 562-3103
Patricia M. Schroeder, Clerk
customers: 733
nameplate capacity (kW): oil 4,622
1987 kWh generated: 133,000
1987 kWh purchased: 13,152,000
1987 kWh sold: 12,768,000
1987 revenues: $638,000

New London, City of†*
400 E. North Water St., Box 304
New London, Wis. 54961
(414) 982-2650
Stephen M. Thompson, Manager
customers: 3,121
1987 kWh generated: 0
1987 kWh purchased: 135,004,331
1987 kWh sold: 129,594,000
1987 revenues: $6,133,000
established 1903

New Richmond, City of†*
156 East 1st Street
New Richmond, Wis. 54017
(715) 246-4167
Dennis Horner, Administrator
customers: 2,359
1987 kWh generated: 0
1987 kWh purchased: 45,684,000
1987 kWh sold: 42,674,000
1987 revenues: $2,040,000
established 1890

Oconomowoc, City of†*
174 E. Wisconsin Ave.
Oconomowoc, Wis. 53066
(414) 569-2198
Jeanne Jasper, Director of Utilities
customers: 5,750
1987 kWh generated: 0
1987 kWh purchased: 128,325,533
1987 kWh sold: 123,549,000
1987 revenues: $6,582,000
established 1900

Oconto Falls Water & Light*
104 S. Franklin St.
Oconto Falls, Wis. 54154
(414) 846-3575
Gary Haltaurderheide, City Clerk
customers: 1,279
1987 kWh generated: 0
1987 kWh purchased: 22,019,616
1987 kWh sold: 20,402,467
1987 revenues: $1,123,000
established 1933

Pardeeville, Village of
124 Lake St.
Pardeeville, Wis. 53954
(608) 429-3054
Larry K. Brown, Dir., Public Works
customers: 976
nameplate capacity (kW): hydro 1,000
1987 kWh generated: 217,000
1987 kWh purchased: 14,899,200
1987 kWh sold: 14,625,939
1987 revenues: $732,000
established 1945

Plymouth, City of*
12 S. Milwaukee St., Box 277
Plymouth, Wis. 53073-0277
(414) 893-1471
John T. MacKinnon, Manager
customers: 5,435
1387 kWh generated: 0
1987 kWh purchased: 129,552,000
1987 kWh sold: 119,693,000
1987 revenues: $6,412,000
established 1895

Prairie Du Sac, Village of
560 Park Ave.
Prairie du Sac, Wis. 53578
(608) 643-2421
Dorothy Bostad, Clerk/Treasurer
customers: 1,055
1987 kWh generated: 0
1987 kWh purchased: 25,743,687
1987 kWh sold: 24,877,030
1987 revenues: $1,504,000
established 1918

Princeton, City of
438 W. Main St.
Princeton, Wis. 54968
(414) 292-6612
Donna Scheuers, Clerk
customers: 868
1987 kWh generated: 0
1987 kWh purchased: 10,195,200
1987 kWh sold: 9,829,538
1987 revenues: $589,000
established 1902

Reedsburg Utility Commission
344 S. Willow St.
Reedsburg, Wis. 53959
(608) 524-4381
Robert D. Utley, Superintendent
customers: 2,757
1987 kWh generated: 0
1987 kWh purchased: 99,518,576
1987 kWh sold: 94,852,000
1987 revenues: $4,459,000
established 1894

Rice Lake, City of
320 W. Coleman St.
Rice Lake, Wis. 54868
(715) 234-7004
Dan Rodamaker, Administrative Director
customers: 4,603
1987 kWh generated: 0
1987 kWh purchased: 106,924,000
1987 kWh sold: 101,480,000
1987 revenues: $4,497,000
established 1918

Richland Center, City of*
182 N. Central Aeve., Box 29
Richland Center, Wis. 53581
(608) 647-4448
Richard J. Steiner, Director
customers: 2,766
nameplate capacity (kW): coal 14,250
1987 kWh generated: 16,773,000
1987 kWh purchased: 52,007,000
1987 kWh sold: 66,397,000
1987 revenues: $3,715,000
established 1904

River Falls, City of†*
125 E. Elm St.
River Falls, Wis. 54022
(715) 425-6715
Ken DeVillers Jr., Util. Administrator
customers: 3,592
nameplate capacity (kW): oil 13,100 hydro 400
1987 kWh generated: 3,207,241
1987 kWh purchased: 72,096,000
1987 kWh sold: 71,045,781
1987 revenues: $3,735,000
established 1900

Sauk City, City of
806 Water St.
Sauk City, Wis. 53583
(608) 643-3932
Donald Moen, Superintendent
customers: 1,387
1987 kWh generated: 0
1987 kWh purchased: 25,555,000
1987 kWh sold: 22,853,000
1987 revenues: $1,314,000
established 1909

Shawano, City of*
122 North Sawyer St., Box 436
Shawano, Wis. 54166
(715) 526-3131
L. A. Ebert, General Manager
customers: 4,468
1987 kWh generated: 0
1987 kWh purchased: 151,200,000
1987 kWh sold: 145,726,353
1987 revenues: $6,786,000
established 1900

Sheboygan Falls, City of
511 Adams Street
Sheboygan Falls, Wis. 53085
(414) 459-4040
Robert Selchert, Superintendent
customers: 2,862
1987 kWh generated: 0
1987 kWh purchased: 135,581,600
1987 kWh sold: 131,814,000
1987 revenues: $5,566,000
established 1916

Shullsburg, City of
112 S. Gratiot St.
Shullsburg, Wis. 53586
(608) 965-4901
Patricia Van Glahn, Clerk
customers: 699
1987 kWh generated: 0
1987 kWh purchased: 8,896,446
1987 kWh sold: 8,346,000
1987 revenues: $473,000
established 1937

Slinger, Village of†*
220 Slinger Road
Slinger, Wis. 53086
(414) 644-5265
Dean Otte, Manager
customers: 828
1987 kWh generated: 0
1987 kWh purchased: 15,366,828
1987 kWh sold: 14,296,437
1987 revenues: $767,000
established 1911

Spooner, City of
515 Summit St.
Spooner, Wis. 54801
(715) 635-2327
Melvin E. Anderson, Superintendent
customers: 1,465
1987 kWh generated: 0
1987 kWh purchased: 24,771,000
1987 kWh sold: 23,292,000
1987 revenues: $1,139,000
established 1905

Stoughton, City of†*
211 Water St., Box 383
Stoughton, Wis. 53589
(608) 873-3379
Robert P. Kardasz, Dir. of Public Works
customers: 5,631
nameplate capacity (kW): hydro 5,000
1987 kWh generated: 0
1987 kWh purchased: 88,147,088
1987 kWh sold: 84,697,498
1987 revenues: $4,536,000
established 1890

Stratford, Village of
265 N. Third Ave.
Stratford, Wis. 54484
(715) 687-4166
Dean A. Otte, Clerk
customers: 672
1987 kWh generated: 0
1987 kWh purchased: 9,211,000
1987 kWh sold: 8,513,000
1987 revenues: $512,000
established 1920

Sturgeon Bay, City of†*
230 E. Vine St., Box 259
Sturgeon Bay, Wis. 54235
(414) 743-5542
William Baudhuin, General Manager
customers: 6,839
1987 kWh generated: 0
1987 kWh purchased: 120,336,000
1987 kWh sold: 114,831,000
1987 revenues: $6,480,000
established 1904

Sun Prairie Water & Light Comm†*
125 W. Main St.
Sun Prairie, Wis. 53590
(608) 837-5500
Larry Bocock, Superintendent
customers: 5,584
1987 kWh generated: 0
1987 kWh purchased: 104,400,000
1987 kWh sold: 100,929,000
1987 revenues: $4,952,000
established 1910

Trempealeau, Village of
50 E. Third St.
Trempealeau, Wis. 54661
(608) 534-6434
Norma Van Vleet, Clerk
customers: 708
1987 kWh generated: 0
1987 kWh purchased: 8,763,200
1987 kWh sold: 7,503,000
1987 revenues: $394,000
established 1915

Two Rivers, City of†*
1415 Lake St.
Two Rivers, Wis. 54241
(414) 793-1191
William C. T. Pappathopoulos, Director
customers: 5,676
nameplate capacity (kW): oil 100
1987 kWh generated: 0
1987 kWh purchased: 77,090,800
1987 kWh sold: 72,296,574
1987 revenues: $3,939,000
established 1901

Viola, City of
Box 38
Viola, Wis. 54664
(608) 627-1831
Helen Gillingham, Clerk
customers: 396
nameplate capacity (kW): oil 1,100
1987 kWh generated: 17,400
1987 kWh purchased: 4,220,300
1987 kWh sold: 3,973,100
1987 revenues: $212,000

Waterloo Light & Water Commission†*
122 S. Monroe St.
Waterloo, Wis. 53594
(414) 478-2260
John M. Foley, Superintendent
customers: 1,464
1987 kWh generated: 0
1987 kWh purchased: 4,651,000
1987 kWh sold: 44,595,000
1987 revenues: $2,166,000
established 1908

Waunakee, Village of†*
205 Klein Drive, Box 95
Waunakee, Wis. 53597
(608) 849-8111
Ed Brockner, Superintendent
customers: 2,176
1987 kWh generated: 0
1987 kWh purchased: 39,727,468
1987 kWh sold: 37,504,358
1987 revenues: $2,055,000
established 1915

Waupun, City of†*
220 N. Forest St.
Waupun, Wis. 53963
(414) 324-7920
Albert Leu, Manager
customers: 3,420
nameplate capacity: unavailable
1987 kWh generated: 62,290,065
1987 kWh purchased: 11,200
1987 kWh sold: 59,560,000
1987 revenues: $2,956,000
established 1894

Westby, City of†*
104 First St.
Westby, Wis. 54667
(608) 634-3416
Dean Warren, Supervisor
customers: 911
1987 kWh generated: 0
1987 kWh purchased: 16,018,000
1987 kWh sold: 15,023,000
1987 revenues: $742,000
established 1915

Whitehall, City of†*
1631 Main St.
Whitehall, Wis. 54773
(715) 538-4353
Lynn Johnson, Clerk/Treasurer
customers: 840
1987 kWh generated: 0
1987 kWh purchased: 18,859,200
1987 kWh sold: 16,694,000
1987 revenues: $877,000
established 1940

Wisconsin Dells, City of
300 La Crosse St.
Wisconsin Dells, Wis. 53965
(608) 253-2542
Robert H. Hillman, Director of Public Works
customers: 1,648
1987 kWh generated: 0
1987 kWh purchased: 34,155,000
1987 kWh sold: 31,377,000
1987 revenues: $1,803,000
established 1894

Wisconsin Rapids, City of*
221 16th St. S., Box 399
Wisconsin Rapids, Wis. 54494-0399
(715) 423-6300
Peter D. Prast, General Manager
customers: 10,720
1987 kWh generated: 0
1987 kWh purchased: 188,159,645
1987 kWh sold: 180,515,544
1987 revenues: $9,900,000
established 1890

Wonewoc, Village of
Box 303
Wonewoc, Wis. 53968
(608) 464-3114
Peter A. Carr, Manager
customers: 575
1987 kWh generated: 0
1987 kWh purchased: 6,152,000
1987 kWh sold: 5,762,000
1987 revenues: $300,000

WYOMING

Basin, Town of
Box 599
Basin, Wyo. 82410
(307) 568-3331
Jack C. Riley, Clerk/Treasurer
customers: 590
1987 kWh generated: 0
1987 kWh purchased: 7,926,400
1987 kWh sold: 6,247,249
1987 revenues: $426,000

Cody, City of
1338 Rumsey Ave.
Cody, Wyo. 82414
(307) 527-7511
Dorse Miller Jr., Mayor
customers: 3,607
1987 kWh generated: 0
1987 kWh purchased: 60,873,600
1987 kWh sold: 53,103,183
1987 revenues: $2,822,000
established 1935

Deaver, City of
180 First St., Box 207
Deaver, Wyo. 82421
(307) 664-2256
Ron Foote, Mayor
customers: 65
1987 kWh generated: 0
1987 kWh purchased: 641,600
1987 kWh sold: 525,421
1987 revenues: $31,000

Fort Laramie, Town of
Box 177
Fort Laramie, Wyo. 82212

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†Member, Demonstration of Energy-Efficient Developments program

(307) 838-2711
Vicki Bowsher, Clerk-Treasurer
customers: 150
1987 kWh generated: 0
1987 kWh purchased: 1,224,900
1987 kWh sold: 916,679
1987 revenues: $64,000

Gillette, City of*
Box 3003
Gillette, Wyo. 82716
(307) 686-5265
Jon C. Young, Director of Utilities
customers: 7,473
1987 kWh generated: 0
1987 kWh purchased: 156,380,199
1987 kWh sold: 138,432,445
1987 revenues: $8,194,000
established 1915

Guernsey, Town of†*
Box 667
Guernsey, Wyo. 82214
(307) 836-2522
Doris Frederick, Clerk/Treasurer
customers: 612
1987 kWh generated: 0
1987 kWh purchased: 14,664,584
1987 kWh sold: 6,747,784
1987 revenues: $471,000

Lingle, Town of
Box 448
Lingle, Wyo. 82223
(307) 837-2422
Dorothy Vollmer, Clerk/Treasurer
customers: 280
1987 kWh generated: 0
1987 kWh purchased: 2,795,000
1987 kWh sold: 2,118,792
1987 revenues: $142,000

Lusk, Town of
North Main Street, Box 390
Lusk, Wyo. 82225
(307) 334-3612
Al Titchener, Superintendent of Public Works
customers: 1,017
nameplate capacity (kW): oil 1,000
1987 kWh generated: 0
1987 kWh purchased: 12,302,018
1987 kWh sold: 11,943,918
1987 revenues: $555,000
established 1919

Midvale Irrigation District
Box 128
Pavillion, Wyo. 82523
(307) 856-6359
Shari Abney, Bookkeeper
customers: 9
1987 kWh generated: 0
1987 kWh purchased: 157,294
1987 kWh sold: 97,220
1987 revenues: $1,000

Pine Bluffs, City of
210 E. Fourth
Pine Bluffs, Wyo. 82082
(307) 245-3746
Ronald Spier, Superintendent
customers: 581
nameplate capacity (kW): oil 300
1987 kWh generated: 0
1987 kWh purchased: 8,307,000
1987 kWh sold: 6,563,043
1987 revenues: $529,149
established 1910

Powell, City of†*
270 N. Clark, Box 1008
Powell, Wyo. 82435
(307) 754-5106
Jack E. Young, Electrical Superintendent
customers: 2,326
1987 kWh generated: 0
1987 kWh purchased: 36,235,296
1987 kWh sold: 31,171,693
1987 revenues: $2,029,000

Torrington, City of*
2042 E. A St.
Torrington, Wyo. 82240
(307) 532-5666
Jack Mitchell, Mayor
customers: 3,389
1987 kWh generated: 0
1987 kWh purchased: 60,070,590
1987 kWh sold: 56,865,623
1987 revenues: $2,166,000
established 1914

Wheatland, Town of
600 9th St.
Wheatland, Wyo. 82201
(307) 322-2962
Barry Cook, Clerk
customers: 1,860
1987 kWh generated: 0
1987 kWh purchased: 26,705,000
1987 kWh sold: 23,731,871
1987 revenues: $1,136,000
established 1936

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Robert W. Claussen, General Manager
established 1981

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Thomas Bay Power Authority
Box 1318
Wrangell, Alaska 99929
(907) 874-3834
Warren Edgley, General Manager
established 1986

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Arizona Power Pooling Association *
Box 670
Benson, Ariz. 85602
(602) 723-3700
Jim Guinane, President

Dine Power Authority *
Box 2577
Window Rock, Ariz. 86515
(602) 871-2133
Jimmy F. Lamenti, General Manager

California

Central California Power Agency No. 1
Box 15830
Sacramento, Calif. 95852-1830
(916) 452-6200
Frank Hahn, Chairman

M-S-R Public Power Agency
Box 4060
Modesto, Calif. 95352
(209) 578-1212
Kenneth H. McKinney, General Manager

Northern California Power Agency *
180 Cirby Way
Roseville, Calif. 95678
(916) 781-3636
Michael McDonald, General Manager
established 1968

Southern California Public Power Authority *
613 E. Broadway
Glendale, Calif. 91205
(818) 956-2045
Arthur T. Devine, Executive Director
established 1980

Southern California Utility Power Pool
111 N. Hope St., Room 1255, Box 111
Los Angeles, Calif. 90051
(213) 481-6003
Raymond C. Burt,
established 1982

Transmission Agency of Northern California (TANC)
Box 6611030
Sacramento, Calif. 95866
(916) 924-1196
Lloyd Harvego, Executive Assistant
established 1984

Tri-Dam Power Authority *
Star Route Box 1303
Sonora, Calif. 95370
(209) 965-3331
D. B. Thompson, General Manager
established 1982

Colorado

Arkansas River Power Authority *
103A E. Elm, Box 70
Lamar, Colo. 81052
(303) 336-3496
James M. Henderson, General Manager

Platte River Power Authority † *
Timberline & Horsetooth Roads
Fort Collins, Colo. 80525
(303) 226-4000
Thaine J. Michie, General Manager
established 1973

Connecticut

Connecticut Municipal Electric Energy Cooperative † *
30 Scott Ave.
Norwich, Conn. 06360-1535
(203) 889-4088
Maurice R. Scully, Executive Director
established 1976

Delaware

Delaware Municipal Electric Corp.
c/o City of Newark, Box 390
Newark,, Del. 19711
(302) 366-7080
Albert K. Martin, President
established 1979

Florida

Florida Municipal Power Agency *
7201 Lake Ellenor Drive, Suite 100
Orlando, Fla. 32809
(407) 859-7310
Calvin R. Henze, General Manager
established 1978

Georgia

Municipal Electric Authority of Georgia *
1470 Riveredge Parkway N.W.
Atlanta, Ga. 30328
(404) 952-5445
Donald L. Stokley, President & General Manager
established 1975

Illinois

Illinois Municipal Electric Agency *
102 Wilmot Rd., Suite 370
Deerfield, Ill. 60015
(312) 940-7664
Gary Zimmerman, General Manager
established 1984

Indiana

American Municipal Power-Indiana, Inc.
c/o Richmond Power & Light, Box 908
Richmond, Ind. 47374
Irving A. Huffman, President

Indiana Municipal Power Agency *
5920 Castleway W. Drive, Box 50700
Indianapolis, Ind. 46250
(317) 849-3242
Raj Rao, General Manager
established 1980

Iowa

Missouri Basin Municipal Electric Cooperative Association
125 Central Ave. S.E.
Orange City, Iowa 51041
(712) 737-4885
Harold Schiebout, President
established 1978

North Iowa Municipal Electric Cooperative Association
Highway 169 & 5th Ave. N., Box 445
Humboldt, Iowa 50548
(515) 332-2981
Richard Johnson, Executive Vice President
established 1965

South Iowa Municipal Electric Cooperative Association
321 N. First St.
Winterset, Iowa 50273
(515) 462-2454
George C. Berry, President
established 1967

Western Iowa Municipal Electric Cooperative Association
223 Main St.
Manning, Iowa 51455
(712) 653-3214
Orville Fink, President
established 1973

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Kansas

Kansas Municipal Energy Agency *
6950 Sqibb Rd, Box 2179, Suite 414
Mission, Kan. 66202
(913) 677-2885
Bernard Roelfs, Board Member
established 1978

Louisiana

Louisiana Energy and Power Authority *
315 Johnson St.
Lafayette, La. 70501
(318) 269-4046
Sylvan Richard, Manager
established 1980

Maine

Dirigo Electric Cooperative, Inc. *
2 Central Plaza
Augusta, Maine 04330
(207) 622-4406
Gordon L. Weil, General Manager
established 1978

Massachusetts

Massachusetts Municipal Wholesale Electric Co. *
Stony Brook Energy Center, Box 426
Ludlow, Mass. 01056
(413) 589-0141
Gary L. Hunt, General Manager
established 1976

Michigan

Michigan Public Power Agency *
2130 Enterprise, S.E.
Kentwood, Mich. 49508
(616) 455-1460
Richard Gorman, General Manager
established 1978

Michigan South Central Power Agency *
720 Herring Rd., Box 62
Litchfield, Mich. 49252
(517) 542-2346
Jack Bierl, General Manager
established 1978

Minnesota

Arrowhead Municipal Power Agency
c/o City of Proctor, 200 Second St.
Proctor, Minn. 55810
(218) 624-4055
Daniel Hoffman, President

Northeastern Minnesota Municipal Power Agency
19th St. & 6th Ave., Box 249
Hibbing, Minn. 55746
(218) 263-7515
David C. Straffacia, President

Northern Municipal Power Agency
Box 528
Thief River Falls, Minn. 56701
(218) 681-5816
John T. Anderson, General Manager

Southern Minnesota Municipal Power Agency *
500 S.W. First Ave.
Rochester, Minn. 55902
(507) 285-0478
Pierre J. Heroux, Executive Director
established 1977

Western Minnesota Municipal Power Agency
212 Second St. N.W.
Ortonville, Minn. 56278
(612) 839-2549
Dan Holdhusen, General Manager
established 1976

Mississippi

Municipal Energy Agency of Mississippi *
Box 1408
Greenwood, Miss. 38930
(601) 453-2622
Robert F. Burkard, General Manager
established 1978

Missouri

Missouri Joint Municipal Electric Utility Commission *
2407 W. Ash
Columbia, Mo. 65203
(314) 445-3279
B. J. Barnett, General Manager
established 1980

Nebraska

Municipal Energy Agency of Nebraska †
521 S. 14th St., Box 95124
Lincoln, Neb. 68509
(402) 474-4759
H. Steve Wacker, Executive Director
established 1981

Nebraska Municipal Power Pool *
Box 95124
Lincoln, Neb. 68509
(402) 474-4759
H. Stephen Wacker, Executive Director
established 1975

North Carolina

North Carolina Eastern Municipal Power Agency *
3100 Smoketree Court, Suite 600, Box 29513
Raleigh, N.C. 27626-0513
(919) 876-9170
James Bobo, General Manager

North Carolina Municipal Power Agency No. 1 *
3100 Smoketree Court, Suite 600, Box 29513
Raleigh, N.C. 27626-0513
(919) 876-9170
James Bobo, General Manager
established 1976

North Dakota

North Dakota Municipal Power Agency *
2105 Catherine Drive
Bismarck, N.D. 58501
(701) 258-9506
Robert H. Griffin, Secretary-Treasurer
established 1977

Ohio

American Municipal Power-Ohio *
601 Dempsey Road, Box 549
Westerville, Ohio 43081
(614) 890-2805
Kenneth L. Hegemann, President

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Oklahoma Municipal Power Authority † *
2300 E. 2nd St., Box 1960
Edmond, Okla. 73083-1960
(405) 340-5047
Harry Dawson, General Manager
established 1981

South Carolina

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100 Memorial Drive
Greer, S.C. 29651
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James A. Bauef, General Manager
established 1979

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Heartland Consumer Power District † *
Box 248
Madison, S.D. 57042
(605) 256-6536
Wendell J. Garwood, General Manager
established 1969

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Box 84610
Sioux Falls, S.D. 57118
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(409) 327-5303
North Bardell, Executive Director
established 1979

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(409) 873-2013
Ed Wagoner, General Manager

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Intermountain Power Agency *
5250 S. 300 West, Suite 101
Murray, Utah 84107
(801) 262-8807
Reece D. Nielsen, Executive Officer
established 1974

Utah Associated Municipal Power Systems † *
8722 S. 300 West
Sandy, Utah 84070
(801) 566-3933
Carolyn S. McNeil, General Manager
established 1980

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40 S. Main
Spanish Fork, Utah 84660
(801) 798-7489
G. Richard Judd, Executive Secretary
established 1981

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Vermont Public Power Supply Authority *
512 St. George Rd., Box 425
Williston, Vt. 05495
(802) 878-5274
Paul Hart Bradtmiller, General Manager
established 1979

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Blue Ridge Power Agency
c/o Danville Electric Department
Drawer 3300
Danville, Va. 24543
(804) 799-5270
Duane Dahlquist, President

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Central Washington Power Agency
1400 E. Vantage Hwy.
Ellensburg, Wash. 98926
(509) 925-3164
Harold W. Jenkins, Director

Clark-Cowlitz Joint Operating Agency
Box C-0005
Vancouver, Wash. 98668
(206) 699-3000
Paul Runyan, Director

Clark-Skamania Joint Operating Agency
c/o Skamania County PUD, Box 500
Carson, Wash. 98610
Carl L. Nielsen, President

Grand Coulee Project Hydroelectric Authority *
Box 219
Ephrata, Wash. 98823
(509) 754-2227
Carl A. Barr, Secretary/Manager

Washington Public Power Supply System *
Box 968
Richland, Wash. 99352
(509) 372-5000
Donald Mazur, Managing Director
established 1957

Wisconsin

Badger Power Marketing Authority
122 N. Sawyer St.
Shawano, Wis. 54166
(715) 526-2920
Lee Ebert, General Manager
established 1984

Western Wisconsin Municipal Power Group
800 Lincoln Ave.
Fennimore, Wis. 53809
(608) 822-6501
Charles J. Leuck, President
established 1976

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Sun Prairie, Wis. 53590
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Box 900
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Colorado River Energy Distributors Association *
c/o ICPA, 8722 S. 300 West
Sandy, Utah 84070
(801) 566-3933
Edward C. Rampton, Secretary-Treasurer

Great Lakes Electric Consumers Association *
1054 31st St. N.W., 2nd Floor
Washington, D.C. 20007
(202) 342-5200
Frank W. Frisk Jr., Executive Director

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Sandy, Utah 84070
(801) 566-3933
Carolyn McNeil, General Manager

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Denver, Colo. 80203
(303) 393-0130
Tom Graves, Executive Director

Missouri Basin Systems Group *
Box 2327
Estes Park, Colo. 80517
(303) 586-2393
Robert F. Risch, Executive Director

Northeast Public Power Association *
30 Turnpike Road, Suite 3
Southboro, Mass. 01772
(508) 481-2042
Andrew S. Natsios, Executive Director

Northwest Public Power Association *
9817 N.E. 54th St., Box 4576
Vancouver, Wash. 98662-0576
(206) 254-0109
Norman C. Jacox, General Manager

Public Power Council *
500 N.E. Multnomah, Suite 729
Portland, Ore. 97232
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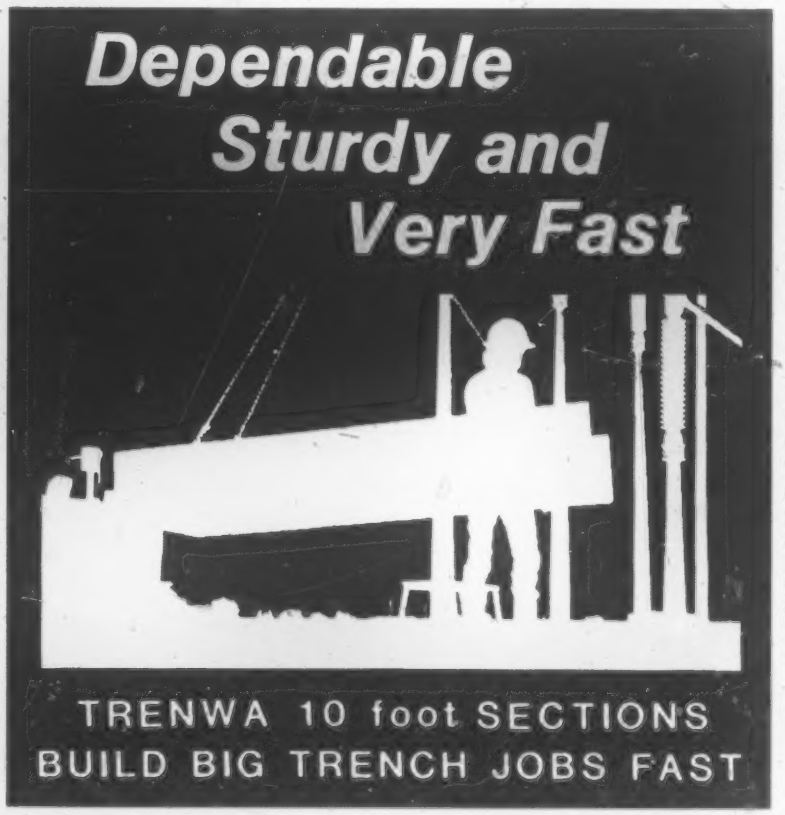

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Municipal Electric Generation Association (MEGA)
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Farmington, N.M. 87401
(505) 327-7701
Dwight D. Arthur, Secretary

LEGAL NOTICE

[Docket No. 50-353-A]
Philadelphia Electric Co.; Receipt of Antitrust Information

Philadelphia ctric Company has submitted rust information in conjunc ith the application for an operating license for a boiling water reactor known as Limerick Generating Station, Unit 2, located near Pottstown, in Limerick Township, Pennsylvania. The data submitted contain antitrust information for review pursuant to Nuclear Regulatory Commission (NRC) Regulatory Guide 9.3. "Information Needed by the AEC Regulatory Staff in Connection with its Antitrust Review of Operating License Applications for Nuclear Power Plants," necessary to determine whether there have been any significant changes since the completion of the antitrust operating license review for Unit 1 of Limerick Generating Station.

The NRC conducts separate antitrust operating license reviews for multiunit applications only for units which are licensed (or scheduled to be licensed) eighteen months after the previous unit has been licensed. The antitrust operating license review of Unit 1 of Limerick Generating Station was completed on July 11,1984 and the operating license was issued for Unit 2 of the Limerick Generating Station is scheduled for June of 1989, almost four years after issuance of the operating license for Unit 1. Consequently, staff requested updated Regulatory Guide 9.3 information required to conduct its antitrust operating license review of Unit 2 of Limerick Generating Station. The updated Regulatory Guide 9.3 response addresses relevant information since Philadelphia Electric Company's submission of the Regulatory Guide 9.3 information for Unit 1, dated May 3,1982. This **Federal Register** notice acknowledges receipt of this updated information and seeks public comment on same.

Upon completion of a staff antitrust review, the Director of the Office of Nuclear Reactor Regulation will issue an initial finding as to whether there have been "significant changes" under section 105c(2) of the Atomic Energy Act, as amended. A copy of this finding will be published in the **Federal Register** and will be sent to the Washington, D.C. and local public document rooms and to those persons providing comments or information in response to this notice. If the initial finding concludes that there have not been any significant changes, request for reevaluation may be submitted for period of 30 days after the date of the **Federal Register** notice. The results of any reevaluation that are requested will be published in the **Federal Register** and copies sent to the Washington, D.C. and local public document rooms. A copy of the general information portion of the application for an operating license and the antitrust information submitted is available for public examination and copying for a fee at the Commission's Public Document Room, 2120 L N.W., Washington, D.C. 20555, and the local public document room at the local public document room at the Pottstown Public Library, 500 Hight Street, Pottstown, Pennsylvania 19464.

Any person who desires additional information regarding the matter covered in this notice or who wishes to have views considered with respect to significant changes related to antitrust matters which have occurred in the applicant's activities since the completion of the antitrust operating license review for Unit 1 of Limerick Generating Station should submit such requests for information or views to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Chief, Policy Development and Technical Support Branch, Office of Nuclear Reactor Regulation, within 30 days of the initial publication of this notice in the **Federal Register**.

Dated at Rockville, Maryland, this 9th day of September 1988.

For the Nuclear Regulatory Commission.
Walter R. Butler,
Director, Project Directorate I-2, Division of Reactor Projects I/II, Office of Nuclear Reactor Regulation

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Washington, D.C. 20240
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Tennessee Valley Authority *
400 W. Summit Hill Drive
Knoxville, Tenn. 37902
(615) 632-2101
Marvin Runyon, Chairman

LEGAL NOTICE

United States Nuclear Power Regulatory Commission
Docket No. 50-425A
Georgia Power Company, Et Al.
Notice of Receipt of Antitrust Information

Georgia Power Company, acting as agent for co-owners Oglethorpe Power Corporation, Municipal Electric Authority of Georgia and the city of Dalton, Georgia, has submitted antitrust information in conjunction with the application for an operating license for a pressurized water reactor known as Vogtle Electric Generating Plant (Plant Vogtle), Unit 2, located on the Savannah River in Burke County, Georgia. The data submitted contain antitrust information for review pursuant to Nuclear Regulatory Commission (NRC) Regulatory Guide 9.3, "Information Needed by the AEC Regulatory Staff in connection with its Antitrust Review of Operating License Applications for Nuclear Power Plants," necessary to determine whether there have been any significant changes since the completion of the antitrust operating license review for Unit 1 of Plant Vogtle.

The NRC conducts separate antitrust operating license reviews for multiunit applications only for units which are licensed (or scheduled to be licensed) eighteen months after the previous unit has been licensed. The antitrust operating license review of Unit 1 of Plant Vogtle was completed on November 21, 1986 and the operating license was issued on March 16, 1987. The current schedule for issuance of a license for Unit 2 of Plant Vogtle is scheduled for the spring of 1989—more than two years after issuance of the operating license for Unit 1 of Plant Vogtle. Consequently, staff requested updated Regulatory Guide 9.3 information required to conduct its antitrust operating license review of Unit 2 of Plant Vogtle. The updated Regulatory Guide 9.3 response addresses relevant information since the Georgia Power's submission of the Regulatory Guide 9.3 information for Unit 1, dated February 24,1986. This Federal Register notice acknowledges receipt of this updated information and seeks public comment on same.

Upon completion of a staff antitrust review, the Director of the Office of Nuclear Reactor Regulation will issue an initial finding as to whether there have been "significant changes" under section 105c(2) of the Atomic Energy Act, as amended. A copy of this finding will be published in the Federal Register and will be sent to the Washington, D.C. and local public document rooms and to those persons providing comments or information in response to this notice. If the initial finding concludes that there have not been any significant changes, requests for reevaluation may be submitted for a period of 30 days after the date of the Federal Register notice. The results of any reevaluation that are requested will be published in the Federal Register and copies sent to the Washington, D.C. and local public document rooms. A copy of the general information portion of the application for an operating license and the antitrust information submitted is available for public examination and copying for a fee at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C. 20555, and at the local public document room at the Burke County Library, Fourth Street, Waynesboro, Georgia 30830.

Any person who desires additional information regarding the matter covered in this notice or who wishes to have views considered with respect to significant changes related to antitrust matters which have occurred in the applicants' activities since the completion of the antitrust operating license review for Unit 1 of Plant Vogtle should submit such requests for information or views to the Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Chief, Policy Development and Technical Support Branch, Office of Nuclear Reactor Regulation, within 30 days of the initial publication of this notice in the Federal Register.

Dated at Rockville, Maryland, this 8th day of September 1988.

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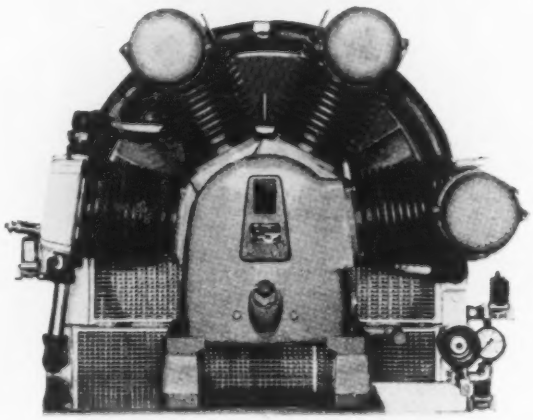

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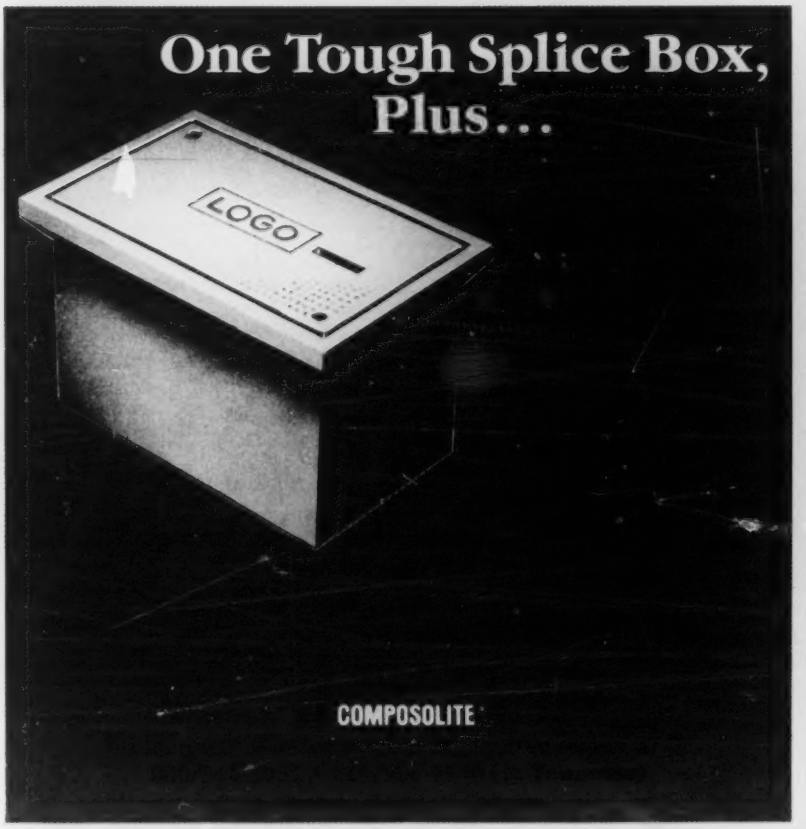

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Electrical engineer—City of St. Cloud, Fla., just 25 minutes east of Disney World, is seeking an individual who is knowledgeable about construction, operation and maintenance of electric distribution and transmission facilities in a rapidly growing city. Candidate should be able to coordinate studies. Desire five years experience in municipal utilities or equivalent experience. Registered PE is required or ability to obtain within six months. This is an extraordinary, challenging and responsible position. Salary range is negotiable, up to $40,000, with excellent benefit package including group health, dental, merit bonus and sick leave attendance bonus. Send resume and salary history to Employee Relations, City of St. Cloud, Fla. 32769.

Electric utility engineer—We are a AAA-rated combination utility with an immediate opening for an electrical engineer. The position will be involved in the planning, design and engineering of underground and overhead 15-kV distribution, residential, industrial and commercial services and power generation. The position requires a B.S. in electrical engineering from an accredited college, and three to five years experience in electrical utility power engineering. The position offers a competitive salary and benefits package in an actively growing, low cost-of-living area with excellent opportunities for the advancement of an enterprising engineer interested in enhancing one's knowledge of electrical engineering field. Please send confidential resume and salary requirements to Executive Assistant, Box 280, Nogales, Ariz. 85628-0280.

Meter and maintenance supervisor—Must have at least eight years experience in application, maintenance and testing of meters and meter equipment utilized in the electric utility industry or one year of advanced study in technical work pertaining to electric meter or relay equipment may be substituted for one year of above experience or an equivalent combination of experience and training. Detailed information available at Personnel Department. Salary: $34,057 to $41,392. Applications must be received by Jan. 16, 1989. Apply to Personnel Department, Town of Wallingford, 45 S. Main St., Wallingford, Conn. 06492. Those with an application on file must submit a written request for consideration for this position. An Equal Opportunity Employer.

Power Plant Superintendent—The Board of Public Works, City Light and Water, Malden, Mo. is soliciting applicants for Power Plant Superintendent. The plant is a 14 M.W., 8 engine dualfuel peaking plant. Familiarity with maintenance operation and repair of Fairbanks Morse Engines and Auxiliary equipment, power scheduling, record keeping, and substation maintenance sought. Present superintendent retiring after 32 years service as of March 15, 1989. Benefits include major medical, life insurance, Lagers retirement, sick leave, liberal vacation and uniforms. Please send resume and salary history to: Joe Russell, Gen. Supt., City Light and Water, Board of Public Works, 111 E. Laclede, Malden, Mo. 63863. Apply by Jan. 15, 1989.

For Sale

Getting Electricity to the Consumer is a 20-minute videotape presentation showing how electricity is generated, transmitted and distributed to the consumer. Use for new employee training, school and civic presentations. $95.00. Contact: Corporate Consultants, Box 1134, Lenoir City, Tenn. 37771; 615/986-8026.

GENERAL MANAGER

Southwest Central Rural Electric Cooperative Corporation
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Applications are now being accepted for position being vacated by General Manager of 42 year tenure who is retiring. Located in a community of about 50,000 14,000 of whom are associated with the state university. Located in scenic area about 50 miles northeast of Pittsburgh. Access to excellent medical, educational, recreational, and shopping facilities.

Selected candidate will assume responsibility for a strong electric distribution system serving 19,000 consumers with over 2,300 miles of line and 57 employees. Key staff are well-qualified.

Present utility plant in service is approx. $28 million with member density of seven per mile, gross operating revenue of $18 million , and 40% equity. Load is primarily residential with some growth.

A baccalaureate degree in business administration, electrical eng., or related areas and/or equivalent high-level electric utility management experience (e.g. 10+ yrs.) is preferred. Must be highly articulate and possess strong communication skills. Demonstrated human relations and supervisory abilities are key elements. Preference will be given to career professionals with consumer-owned utility experience and a thorough understanding of public power issues. Commitment to the cooperative philosophy and willingness to respond to the needs of the membership are essential. Must be able to work effectively with a member-elected Board of seven directors.

Salary commensurate with experience. Excellent benefits.

Please submit resume with three references, recent salary history, and REA Form 328 by February 15,1989 to:

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MUNICIPAL CABLE COMMUNICATION SYSTEMS

Alabama

Lincoln Cable TV, Box 172, Lincoln 35096; C.L. Watson, 205/763-7777; 800 subscribers; 29 channels; basic monthly rate: $11; structure: separate department; financing: city loan (1983)

Opp Cablevision*, Box 311, Opp 36467; Charles McGowan, 205/493-4571; 3,000 subscribers; 27 channels; basic monthly rate: $9; utility use: no; structure: under utility department; financing: city operating revenues (1967)

Riviera Utilities*, 413 E. Laurel Ave., Box 550, Foley 36536; H. Sewell St. John Jr., 205/943-5001; 2,328 subscribers; 28 channels; basic monthly rate: $10.50; utility use: no; structure: separate function of utilities board; financing: retained earnings of utilities board (1982)

Arkansas

Conway Corp.*, Box 99, Conway 72032; James H. Brewer, 501/329-5641; 7,316 subscribers; 28 channels; basic monthly rate: $10.45; utility use: load control, metering; structure: owned by city and leased to municipal Conway Corp.; financing: loan from utility department (1980)

Lockesburg Cablevision, P.O. Box 14, Lockesburg 71846; Freddy Marshall, 501/289-3261; 267 subscribers; 17 channels (capacity is 20); basic monthly rate: $12; structure: department of city; financing: revenues from sale of city gas system (1983)

California

San Bruno Municipal Cable TV, 567 El Camino Real, San Bruno 94066; David A. Thomas, 415/877-8889; 10,400 subscribers; 49 channels (capacity is 58); basic monthly rate: $9.65; structure: separate department of city; financing: rebuilt with revenues from previous cable system (1971)

Colorado

Center Municipal Cable System*, Box 400, Center 81125; Darrell T. Davis, 719\754-3497; 455 subscribers; 13 channels; basic monthly rate: $7.50; utility use: load control; structure: separate entity controlled by utility board; financing: loan from utility surplus to be paid back by cable department with interest (1984)

Copper Mountain Metropolitan District Cable TV, Box 3195, Copper Mountain 80443; Ray Bishop, 303/968-2882, ext. 6690; 850 subscribers; 12 channels (capacity is 21); basic monthly rate: $16; structure: under Metropolitan District (similar to city government); financing: general obligation bonds (1976)

Florida

Newberry, City of*, City Hall, Newberry 32669; Bob Little, 904/472-2161; 800 subscribers; 21 channels; basic monthly rate: $10; utility use: no; structure: part of utility department; financing: separate cable fund (1974)

Valparaiso Communications, Box 296, 44 Southview Ave., Valparaiso 32580; Burt B. Bennett, 904/678-2922; 1,508 subscribers; 32 channels; basic monthly rate: $7.95; structure: separate department of city; financing: cable fund (1976)

Georgia

Covington CATV*, Box 1527, Covington 30209; Gary Curtis, 404/787-4444; 4,612 subscribers; 27 channels; basic monthly rate: $9.95; utility use: air-conditioning load managment planned; structure: separate department of city; financing: city's general fund (1980)

Monroe, City of*, Box 725, Monroe 30655; John T. Briscoe Jr., 404/267-5756; 3,755 subscribers; 36 channels; basic monthly rate: $5; utility use: air-conditioning load management; structure: under utility department; financing: cable fund (1972)

Iowa

Cable TV Corporation of Dayton*, 101 S. Main St., Dayton 50530; Shirley Miller, 515/547-2711; 215 subscribers; 14 channels (capacity is 35); basic monthly rate: $12.50; utility use: no; structure: department of utility; financing: revenue bonds (1983)

Community Cable Television*, City of Sanborn, Sanborn 51248; Allen Bonderman, 712/729-3974; 428 subscribers; 26 channels (capacity is 36); basic monthly rate: $8.50; utility use: load management/air conditioners and water heaters; structure: separate department of utility; financing: utility funds and corporation revenue bonds (1981)

Coon Rapids Cable System*, 123 Third Ave., Box 207, Coon Rapids 50058; Eugene P. Smith, 712/684-2225; 380 subscribers; 16 channels; basic monthly rate: $9.50; utility use: no; structure: operated by utility, separate board for policy; financing: utility reserve funds (1982)

Hartley Municipal Cable System*, 169 S. Central Ave., Hartley 51346; Dean Meyer, 712/728-2240; 590 subscribers; 21 channels; basic monthly rate: $9; utility use: maybe load management; structure: separate department of city; financing: loan from surplus electric funds (1983)

Lenox Municipal Cablevision*, 205 S. Main St., Lenox 50851; David Ferris, 515/333-2550; 450 subscribers; 15 channels; basic monthly rate: $13; utility use: load management and meter reading planned; structure: department of city, operated by utility; financing: loan from electric utility (1988)

Manilla Municipal Cable*, 166 Sixth Ave., Manilla 51454; James H. Macumber, 712/654-3952; 402 subscribers; 12 channels; basic monthly rate: $9.95; utility use: no; structure: separate department of utility; financing: loan from electric fund (1983)

Manning Municipal Cable Board*, 719 Third St., Manning 51455; Gerald Beck, 712/653-3214; 500 subscribers; 22 channels (capacity is 30); basic monthly rate: $10.50; utility use: load management; structure: separate board within utility; financing: electric revenue bonds for load management, gas department surplus for the rest (1982)

Primghar Municipal Cable TV*, 155 First St. S.W., Primghar 51245; Robert Mulder, 712/757-2435; 325 subscribers; 25 channels (capacity is 32); basic monthly rate: $9.50; utility use: load management; structure: part of utility department; financing: general obligation bonds (1981)

Wall Lake Municipal Cable*, 418 Second St., Wall Lake 51466; Sharon Faber, 712/664-2216; 245 subscribers; 15 channels; basic monthly rate: $9; utility use: no; structure: under city government; financing: utility funds (1982)

Kansas

Altamont Cable System*, P.O. Box 305, Altamont 67330; Elizabeth Finley, 316/784-5612; 311 subscribers; 16 channels (capacity is 36); basic monthly rate: $13.95; utility use: no; structure: separate department of city; financing: revenue bonds (1983)

Baxter Cable Vision, City of Baxter Springs, Box 577, Baxter Springs 66713; C.

Michael Hall, 316/856-2727; 1,413 subscribers; 14 channels (capacity is 21); basic monthly rate: $10.34; structure: separate department of city; financing: industrial revenue bonds (1980)

Cawker City, City of*, Box 2, Cawker City 67430; Wayne Musgrove, 913/781-4713; 240 subscribers; 22 channels (capacity is 26); basic monthly rate: $10; utility use: exploring load management, meter reading; structure: separate department of utility; financing: utility revenue bonds, all paid off (1977)

Columbus Cablevision, 300 East Maple, Columbus 66725; Gail Houser, 316/429-2159; 896 subscribers; 10 channels; basic monthly rate: $9.50; structure: separate city department; financing: revenue bonds (1980)

Courtland Cable System, P.O. Box 143, Courtland 66939; Tim Garman, 913/374-4355; 150 subscribers; 14 channels; basic monthly rate: $13; structure: separate department of city; financing: revenue bonds (1982)

Kentucky

Bardstown Cable TV, 220 N. Fifth St., P.O. Box 368, Bardstown 40004; Lawrence Hamilton, 502/348-9711; 2,350 subscribers; 23 channels (capacity is 35); basic monthly rate: $11.75; utility use: no; structure: separate department of city; financing: revenue bonds (1985)

Community Cable Service Division*, 325 Ann St., Frankfort 40601; Warner Caines, 502/227-7513; 10,065 subscribers; 27 channels; basic monthly rate: $4.50; utility use: no; structure: nonprofit corporation under utility board; financing: initial loan from electric funds, later from cable revenues (1952)

Williamstown Cable TV*, 400 N. Main St., Williamstown 41097; Jim Cheeseman, 606/824-3352; 531 subscribers; 25 channels (capacity is 35); utility use: no; structure: department of utility; financing: bank loan (1985)

Maryland

Easton Utilities Commission*, 142 N. Harrison St., Box 1189, Easton 21601; Bill Russell, 301/822-6110; 2,500 subscribers; 37 channels (capacity is 64); basic monthly rate: $8; utility use: no; structure: separate department of utility; financing: general obligation bonds (1984)

Massachusetts

Shrewsbury's Electric Light Plant*, 100 Maple Ave., Shrewsbury 01545; Thomas R. Josie, 617/845-4881; 7,084 subscribers; 80 channels; basic monthly rate: $12.95; utility use: emergency alert system, energy management planned; structure: separate department of utility; financing: general obligation bonds (1983)

Michigan

Crystal Falls, City of*, 401 Superior Ave., Crystal Falls 49920; Walter E. Hagglund, 906/875-6650; 837 subscribers; 10 channels (capacity is 21); basic monthly rate: $5.50; utility use: no; structure: part of utility; financing: loan from city's general fund (1959)

Negaunee Cable Television System*, Box 70, Negaunee 49866; John D. Korhonen, 906/475-7700; 1,224 subscribers; 26 channels; basic monthly rate: $7; utility use: no; structure: separate department of utility; financing: utility reserve funds (1984)

Norway CATV*, Box 194, Norway 49870; Leonard Moraska, 906/563-9641; 1,458 subscribers; 21 channels (capacity is 36); basic monthly rate: $4.25; utility use: emergency warning system; structure: part of utility; financing: utility general fund (1954)

Wyandotte Municipal Service*, 3005 Biddle Ave., Wyandotte 48192; Dale Simmons, 313/282-7100, ext. 364; 8,511 subscribers; 52 channels; basic monthly rate: $8; utility use: load management, plan to use for meter reading; structure: separate department of utility; financing: lease system from private investors with purchase agreement at a fixed date (1982)

Minnesota

Bagley City Cable TV*, Box M, Bagley 56621; Bernie Stavig, 218/694-2300; 525 subscribers; 12 channels; basic monthly rate: $8.65; utility use: no; structure: separate department of utility; financing: cable revenue bonds (1976)

Fosston Cable TV*, 220 First St. N.E., Fosston 56542; Russell Earls, 218/435-1737; 600 subscribers; 12 channels; basic monthly rate: $6.75; utility use: load management; structure: separate department of utility; financing: cable revenue bonds (1976)

Jackson Municipal TV System*, 80 W. Ashley St., Jackson 56143; Curt Egeland, 507/847-3225; 1,570 subscribers; 13 channels; basic monthly rate: $6; utility use: no; structure: separate department of city; financing: installation fees of original subscribers (1957)

Marble, City of, Box 38, Marble 55764; Candise Orazem, 218/247-7147; 220 subscribers; 15 channels; basic monthly rate: $7; structure: separate department of city; financing: city general fund (1983)

Windom Cable Communications System*, 444 Ninth St., Windom 56101; Dennis Nelson, 507/831-2363; 1,200 subscribers; 26 channels (capacity is 34); basic monthly rate: $10.95; utility use: emergency alert system; structure: separate department of city; financing: loan from utility commission (1985)

Missouri

Newburg Cable TV System, Drawer K, Newburg 65550; Barbara Macormic, 314/762-2315; 250 subscribers; 13 channels; basic monthly rate: $8.50; structure: operated through city hall; financing: borrowed from private development corporation (1968)

Unionville Cable Authority*, 1621 Grant St., Box 206, Unionville 63565; Morgan J. Brown, 816/947-3316; 800 subscribers; 16 channels (capacity is 30); basic monthly rate: $12.50; utility use: emergency alert system; structure: separate department of city; financing: cable revenue bonds (1980)

Oregon

Cascade Locks CATV*, Box 308, Cascade Locks 97014; George Lewis, 503/374-8484; 374 subscribers; 16 channels (capacity is 36); basic monthly rate: $12.50; utility use: no; structure: separate department of utility; financing: cable revenue bonds (1972)

Lexington, Town of, Lexington 97839; Mayor Robert Taylor, 503/989-8508; 100 subscribers; 8 channels; basic monthly rate: $5; structure: separate department of city; financing: cable service revenues (1959)

Pennsylvania

New Wilmington Borough Cable TV*, 140 West Neshannock Ave., New Wilmington 16142; Ed Garrett, 412/946-8167; 487 subscribers; 20 channels; basic monthly

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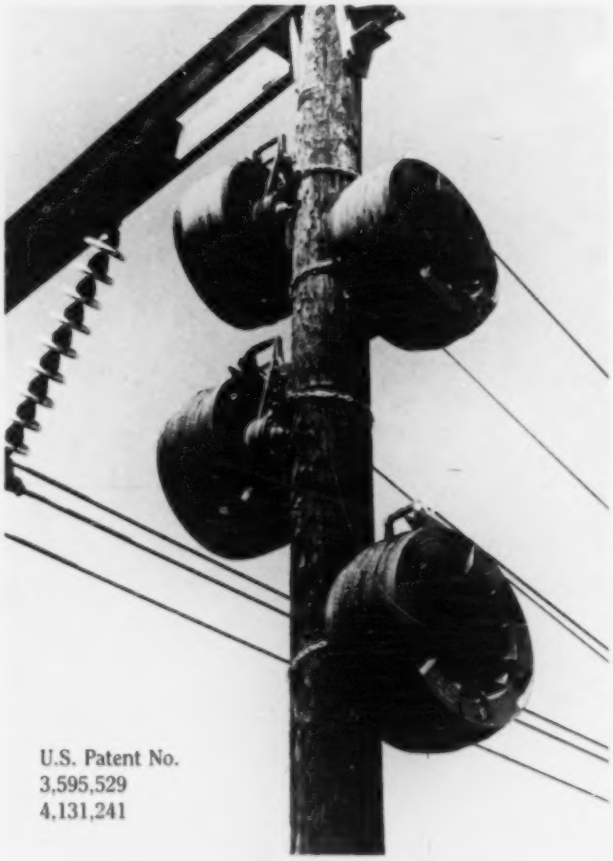

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rate: $6; utility use: no; structure: separate department of borough; financing: general fund (1979)

Pitcairn Community Antenna System*, 582 Sixth St., Pitcairn 15140; George Myers, 412/372-6500; 1,200 subscribers; 18 channels (capacity is 35); basic monthly rate: $6; utility use: no; structure: under light department; financing: installation fees of original subscribers ($75) and bank loans (1953)

South Dakota

Beresford, City of*, 101 N. Third St., Beresford 57004; Wayne Akland, 605/763-2500; 584 subscribers; 13 channels (capacity is 21); basic monthly rate: $7.95; utility use: no; structure: maintained by city telephone department; financing: general city fund (1983)

Washington

North Bonneville Community Cable TV, Box 7, North Bonneville 98639; Ray Hays, 509/427-8182; 146 subscribers; 12 channels; basic monthly rate: $10; structure: part of utility department; financing: city capital improvement fund (1982)

Sumas TV Cable System*, Box 9, Cherry St., Sumas 98295; Lawrence Silvis, 206/988-5711; 300 subscribers; 10 channels (capacity is 13); basic monthly rate: $7.50; utility use: no; structure: under utility; financing: city light fund and residents' fee (1953)

Wisconsin

Oconto Falls Cable TV, 104 S. Franklin St., Box 70, Oconto Falls 54154; George Barber, 414/846-2911; 609 subscribers; 26 channels; basic monthly rate: $11.03; utility use: maybe meter reading; structure: separate department of utility commission; financing: bank loan backed by city (1981)

Two Creeks, Town of, 5711 Nuclear Rd., Two Rivers 54241; Mary Ann Cherveny, 414/755-2221; 145 subscribers; 30 channels (capacity is 52); basic monthly rate: free; structure: part of city government; financing: nuclear plant taxes (1986)

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*Community also has municipally owned electric system.

PUBLIC POWER INDEX 1988

AUTHORS

Alderson, Robert
The Missouri compromise. Sept.-Oct., p. 18.
Alter, Ed
In the tax-exempt bond raid, public power is vulnerable. Nov.-Dec., p. 56.
Anderson, Jeannine
100...and counting. Sept.-Oct., p. 42.
Blackout in Seattle. Nov.-Dec., p. 43.
Billings, Leon G.
Federal dams - For canoes or kilowatts? July-Aug., p. 56.
Blinder, Herbert
Municipal pumping efficiencies. July-Aug., p. 32.
Bruneel, Larry
Innovation update: Overheating outages obsolete in Ontario. Jan.-Feb., p. 58.
Innovation update: New underground cables get thumbs up in Milford. Jan.-Feb., p. 58.
Innovation update: Growing pains for Lakeland's meter readers. Jan.-Feb., p. 58.
Innovation update: Santee Cooper finds supplier down home. Mar.-Apr., p. 59.
Innovation update: Lighting load lightened. Mar.-Apr., p. 59.
Innovation update: Old plant + municipal waste = new energy. Mar.-Apr., p. 59.
Clark, Toni
Education courses expanded, updated. Jan.-Feb., p. 36.
New partnerships for economic development. Sept.-Oct., p. 48.
Cochran, Jacquie
Daylighting cuts commercial peaks. Mar.-Apr., p. 16.
Inside APPA: Direct phone service to APPA staff available. May-June, p. 67.
Inside APPA: APPA Finance Group formed. May-June, p. 67
Inside APPA: New APPA publications available. May-June, p. 67.
Innovations: ASDs deliver. July-Aug., p. 51.
Innovations: Magnetic fields studied. July-Aug., p. 51
Innovations: Low-water-use landscaping. July-Aug., p. 51.
Innovations: Birds aided by PUD. Sept.-Oct., p. 40
Innovations: Wood poles tested in-situ. Sept.-Oct., p. 40
Innovations: Stay in school. Sept.-Oct., p. 40.
Innovations: Bar codes speed billing. Nov.-Dec., p. 50.
Innovations: Litterbugs won't pollute. Nov.-Dec., p. 50.
Innovations: Iowa lights businesses. Nov.-Dec., p. 50.
Cody, Robin
BPA, Northwest utilities tackle radon. May-June, p. 42.
Coffman, Sharon D.
Incentives improve safety. Mar.-Apr., p. 36.
Francis, Frances
A new kind of relicensing competition. Sept.-Oct., p. 56.
Gaskill, Cynthia E.
Measuring utility performance. Sept.-Oct., p. 22.
Harrison, Marge
Put public power on the presidential agenda. May-June, p. 26.
Hobart, Larry
Something to think about: Reactions to change vary. Jan.-Feb, p. 5.
Something to think about: Charting the course for APPA. Mar.-Apr., p. 6.
Something to think about: Mapping the future. May-June, p. 6.
Something to think about: Public power week: Building a tradition. July-Aug., p. 6.
Something to think about: 'Public power today is strong'. Sept.-Oct., p. 6.
Something to think about: A solutions to today's environmental problems. Nov.-Dec., p. 6.
Kelly, John
The subsidy debate. July-Aug., p. 18.
Measuring utility performance. Sept.-Oct., p. 22.
Kounts, John
What a dam! July-Aug., p. 48.
Kunka, Jill
Lighting city hall. Nov.-Dec., p. 32.
LaBella, Jeanne
Financing peril. July-Aug., p. 12.
Searching for solutions to territorial disputes. Sept.-Oct., p. 14.
The cable evolution. Sept.-Oct., p. 26.
The innovators: Beat the peak saves $96,000 in first year. Sept.-Oct., p. 36.
The innovators: Ancient technique reincarnated for modern use. Sept.-Oct., p. 37.
The innovators: Marketing savvy brings efficient lightbulbs to town. Sept.-Oct., p. 38.
Lewis, Dan
Come and grow with E&O. Mar.-Apr., p. 28.
Logie, Pat
Creativity, variety hail public power week. Jan.-Feb., p. 38.
Malon, Richard
How we got there. Sept.-Oct., p. 20.
McNurney, John M.
Role changing for utility environmental managers. Mar.-Apr., p. 11.
Mellor, Kenneth J.
Strategic policy planning for publicly owned utilities. May-June, p. 28.
Mintzer, Irving.
Weathering the storms in a warming world. Nov.-Dec., p. 15.
Mulholland, Carol
Electricity boosting Kenyan development. May-June, p. 52.
Nuttall, Deborah
Clyde's coming back. May-June, p. 18.
Panasci, Donna
Peer audits. Sept.-Oct., p. 32.
Purcell, Arthur H.
Maine's powerful mini muni. Jan.-Feb., p. 22.
Resource recovery in paradise. July-Aug., p. 44.
Rehg, Marci
Learning the ropes. July-Aug., p. 52.
Reil, Rick
What a dam! July-Aug., p. 48
Reinemer, Vic
The other side: A salute to two sentinels. Jan.-Feb., p.60.
The other side: Get the message there. Mar.-Apr., p. 60.
States set new rules for municipals in 1987. Mar.-Apr., p. 22.
The other side: So long. May-June. p. 68.
Revell, Charles F.
What to do when an IOU wants you. May-June, p. 23.
Rinebolt, David C.
Wood power for the future. Nov.-Dec., p. 37.
Sacks, Jennifer
Inside APPA: Excellence and opportunity theme of 32nd annual E&O workshop. Jan.-Feb., p. 59.
Inside APPA: CS&C, AFRIS section heads, committee chairpersons named for 1987-88. Jan.-Feb., p.59.
Inside APPA: 12 consumer-owned utilities win 1987 annual report awards. Jan.-Feb., p.59.
Seger, Karl A.
Battling power theft. Jan.-Feb., p. 28.
Sherron, Bob.
Performance management: An aspirin or a long term cure? Nov.-Dev., p. 48.
Simmons, Harold
Low-powered living in high style. July-Aug., p. 38.
Sliz, Deborah
Bond limits, rate relief among legislative challenges. Jan.-Feb., p.10.
Steinzor, Rena
Role changing for utility environmental managers. Mar.-Apr., p. 11.
Strebel, Sandra J.
Role changing for utility environmental managers. Mar.-Apr., p. 11.
Swisher, Randy
States set new rules for municipals in 1987. Mar.-Apr., p. 22.
Tompkins, L. Michael
Moving up to supervisor. Mar.-Apr., p. 31.
Vizza, Cindy
People power. July-Aug., p. 22.
Wagner, Bill
Watertown does it safely. Mar.-Apr., p. 39.
Woehrle, Lori
Inside APPA: Quick return of excess IOU tax collections among APPA policy resolutions. Mar.-Apr., p. 58.
Inside APPA: Florida leading in 'Year of the Member' contest. Mar.-Apr., p. 58.
Inside APPA: 31-year employee Margaret 'Winnie' Winfough retires, three join staff. Mar.-Apr., p. 58.
Public power's progress. May-June, p. 10.
Wolf, James L.
Efficiency: Defense against the long hot summer. Nov.-Dec., p. 25.

SUBJECTS

ACID RAIN
Bond limits, rate relief among legislative challenges, by Deborah Sliz. Jan.-Feb., p. 10.
ADJUSTABLE SPEED DRIVES
Innovations: ASDs deliver, by Jacquie Cochran. July-Aug., p. 51.
ADVERTISING
People power, by Cindy Vizza. July-Aug., p. 22.
AIR POLLUTION
BPA, Northwest utilities tackle radon, by Robin Cody. May-June, p. 42.
AIR QUALITY CONTROL
BPA, Northwest utilities tackle radon, by Robin Cody. May-June, p. 42.
ALEXANDRIA,LOUISIANA
What to do when an IOU wants you, by Charles F. Revell. May-June, p. 23.
AMERICAN PUBLIC POWER ASSOCIATION
Inside APPA: Direct phone service to APPA staff available, by Jacquie Cochran. May-June, p. 67.
Walt Canney, Mescher, Morawski, '88 officers. Sept.-Oct., p. 8.
Hoyt, Spruce, Claussen win major APPA awards. Sept.-Oct., p. 10.
APPA: No federal solution on territory disputes. Sept.-Oct., p. 11.
APPA starts campaign to protect tax-exempt financing. Sept.-Oct., p. 12.
Lincoln's power sage: An optimist for our time. Nov.-Dec., p. 22.
ANNUAL CONFERENCE (APPA)
Annual conference June 27-29. May-June, p. 39.
ANNUAL REPORT CONTEST (APPA)
Inside APPA: 12 consumer-owned utilities win 1987 annual report awards, by Jennifer Sacks. Jan.-Feb., p. 59.
12 win APPA award. Nov.-Dec., p. 9.
ANTITRUST AND MONOPOLY
Ruling expected on UP&L suit, public power opposes merger with Pacificorp. Jan.-Feb., p. 14.
UP&L, Pacificorp merger must be conditioned, FERC is told. July-Aug., p. 10.
Antitrust conditions 'essential'. Sept.-Oct., p. 12.
AUSTIN, TEXAS
Innovations: Magnetic fields studied, by Jacquie Cochran. July-Aug., p. 51.
AWARDS, APPA
Inside APPA: 12 consumer-owned utilities win 1987 annual report awards, by Jennifer Sacks. Jan.-Feb., p. 59.
Hoyt, Spruce, Claussen win major APPA awards. Sept.-Oct., p. 10.
BILLING
Innovations: Bar codes speed billing, by Jacquie Cochran. Nov.-Dec., p. 50.
BIOMASS
Wood power for the future, by David C. Rinebolt. Nov.-Dec., p. 37.
BLACKOUTS
Blackout in Seattle, by Jeannine Anderson. Nov.-Dec., p. 43.
BONNEVILLE POWER ADMINISTRATION
BPA, Northwest utilities tackle radon, by Robin Cody. May-June, p. 42.
BOONE ELECTRIC COOPERATIVE
The Missouri compromise, by Robert Alderson. Sept.-Oct., p. 18.
How we got there, by Richard Malon. Sept.-Oct., p. 20.
BRITISH COLUMBIA HYDRO
Innovations: Wood poles tested in-situ, by Jacquie Cochran. Sept.-Oct., p. 40.
BROWNSVILLE, TEXAS
Innovations: Stay in school, by Jacquie Cochran. Sept.-Oct., p. 40.
BRUCE, TERRY, (REP.)
Correcting rate defects. Jan.-Feb., p. 19.
BUDGETING
Local systems budget $5.77 billion for 1988 plant work. Jan.-Feb., p. 42.
CABLE COMMUNICATIONS
The Innovators: Beat the peak saves $96,000 in first year, by Jeanne LaBella. Sept.-Oct., p. 36.
The cable evolution, by Jeanne LaBella. Sept.-Oct., p. 26.
CABLES
Innovation update: New underground cables get thumbs up in Milford, by Larry Bruneel. Jan.-Feb., p. 58.
CANNEY, WALTER
Lincoln's power sage: An optimist for our time. Nov.-Dec., p. 22.
CARBON DIOXIDE
Weathering the storms in a warming world, by Irving Mintzer. Nov.-Dec., p. 15.
CLYDE, OHIO
Clyde's coming back, by Deborah Nuttall. May-June, p. 18.
COAL
Innovation update: Santee Cooper finds supplier down home, by Larry Bruneel. Mar.-Apr., p. 59.
COLUMBIA, MISSOURI
The Missouri compromise, by Robert Alderson. Sept.-Oct., p. 18.
How we got there, by Richard Malon. Sept.-oct., p. 20.
COLUMBIA, TENNESSEE
Innovations: ASDs deliver, by Jacquie Cochran. July-Aug., p. 51.
COMMITTEES (APPA)
Inside APPA: CS&C, AFR&IS section heads, committee chairpersons named for 1987-88, by Jennifer Sacks. Jan.-Feb., p. 59.
Inside APPA: Quick return of excess IOU tax collections among APPA policy resolutions, by Lori Woehrle. Mar.-Apr., p. 58.
Come & Grow with E&O, by Dan Lewis. Mar.-Apr., p. 28.
Inside APPA: APPA finance group formed, by Jacquie Cochran. May-June, p. 67.
COMMUNITY DEVELOPMENT
New partnerships for economic development, by Toni Clark. Sept.-Oct., p. 48.
COMPETITION
Something to think about: Reactions to change vary, by Larry Hobart. Jan.-Feb, p. 5.
States set new rules for municipals in 1987, by Randy Swisher and Vic Reinemer. Mar.-Apr., p. 22.
Something to think about: Charting the course for APPA, by Larry Hobart. Mar.-Apr., p. 6.
Strategic policy planning for publicly owned utilities, by Kenneth J. Mellor. May-June, p. 28.
CONGRESS
What a dam!, by John Kounts and Rick Reil. July-Aug., p. 48.
CONSTRUCTION
Local systems budget $5.77 billion for 1988 plant work. Jan.-Feb., p. 42.
CONSUMER PROGRAMS
Innovations: Stay in school, by Jacquie Cochran. Sept.-Oct., p. 40.
Innovations: Litterbugs won't pollute, by Jacquie Cochran. Nov.-Dec., p. 50.
Innovations: Iowa lights businesses, by Jacquie Cochran. Nov.-Dec., p. 50.
CONTESTS, APPA
Inside APPA: Florida leading in 'Year of the Member' contest, by Lori Woehrle. Mar.-Apr., p. 58.
Powerful photos win contest. Mar.-Apr., p. 42.
Pix pay off. May-June, p. 51.
59 systems commended for safety. May-June, p. 49.
It's time to shoot summer scenes for photo contest. July-Aug., p. 11.
Last call for photo entries. Nov.-Dec., p. 9.
COOLING
The innovators: Ancient technique reincarnated for modern use, by Jeanne LaBella. Sept.-Oct., p. 37.
COOPERATIVES
Searching for solutions to territorial disputes, by Jeanne LaBella. Sept.-Oct., p. 14.
The Missouri compromise, by Robert Alderson. Sept.-Oct., p. 18.
How we got there, by Richard Malon. Sept.-Oct., p. 20.
CUSTOMER SERVICE
Battling power theft, by Karl A. Seger. Jan.-Feb., p. 28.
Something to think about: Mapping the future, by Larry Hobart. May-June, p. 6.
DIRECTORIES
Public Power's annual directory. Jan.-Feb., p. D-1.
Correction to directory table on net electric plant. May-June, p. 61.
DISTRIBUTION
Innovation update: New underground cables get thumbs up in Milford, by Larry Bruneel. Jan.-Feb., p. 58.
ELECTIONS
Put public power on the presidential agenda, by Marge Harrison. May-June, p. 26.

Bush would back off power agency sale effort; Dukakis wants new n-waste policy. Sept.-Oct., p. 8.
Regulation essential, power survey needed, APPA tells candidates. Nov.-Dec., p. 10.
ELECTRIC POWER - SUPPLY AND DEMAND
Efficiency: Defense against the long hot summer, by James L. Wolf. Nov.-Dec., p. 25.
ELECTRIC UTILITY INDUSTRY
Something to think about: Reactions to change vary, by Larry Hobart. Jan.-Feb., p. 5.
EMERALD PEOPLE'S UTILITY DISTRICT (OREGON)
Innovations: Birds aided by PUD, by Jacquie Cochran. Sept.-Oct., p. 40.
ENERGY ABROAD
Electricity boosting Kenyan development, by Carol Mulholland. May-June, p. 52.
ENERGY CONSERVATION
States set new rules for municipals in 1987, by Randy Swisher and Vic Reinemer. Mar.-Apr., p. 22.
Daylighting cuts commercial peaks, by Jacquie Cochran. Mar.-Apr., p. 16.
Innovation update: Lighting load lightened, by Larry Bruneel. Mar.-Apr., p. 59.
Municipal pumping efficiencies, by Herbert Blinder. July-Aug., p. 32.
Weathering the storms in a warming world, by Irving Mintzer. Nov.-Dec., p. 15.
Efficiency: Defense against the long hot summer, by James L. Wolf. Nov.-Dec., p. 25.
Lighting city hall, by Jill Kunka. Nov.-Dec., p. 32.
Innovations: Iowa lights businesses, by Jacquie Cochran. Nov.-Dec., p. 50.
ENERGY INNOVATION
Innovation update: overheating outages obsolete in Ontario, by Larry Bruneel. Jan.-Feb., p. 58.
Daylighting cuts commercial peaks, by Jacquie Cochran. Mar.-Apr., p. 16.
Innovations: ASDs deliver, by Jacquie Cochran. July-Aug., p. 51.
The Innovators: Beat the peak saves $96,000 in first year, by Jeanne LaBella. Sept.-Oct., p. 36.
The Innovators: Ancient technique reincarnated for modern use, by Jeanne LaBella. Sept.-Oct., p. 37.
The Innovators: Marketing savvy brings efficient lightbulbs to town, by Jeanne LaBella. Sept.-Oct., p. 38.
ENERGY INNOVATOR AWARD (APPA)
The Innovators: Beat the peak saves $96,000 in first year, by Jeanne LaBella. Sept.-Oct., p. 36.
The Innovators: Ancient technique reincarnated for modern use, by Jeanne LaBella. Sept.-Oct., p. 37.
The Innovators: Marketing savvy brings efficient lightbulbs to town, by Jeanne LaBella. Sept.-Oct., p. 38.
ENERGY POLICY
Put public power on the presidential agenda, by Marge Harrison. May-June, p. 26.
Bush would back off power agency sale effort; Dukakis wants new N-waste policy. Sept.-Oct., p. 8.
ENGINEERING AND OPERATIONS WORKSHOP (APPA)
Inside APPA: Excellence and opportunity theme of 32nd annual E&O workshop, by Jennifer Sacks. Jan.-Feb., p. 59.
Come & Grow with E&O, by Dan Lewis. Mar-Apr., p. 28.
ENVIRONMENT
APPA issues new environmental compliance manual. Mar.-Apr., p. 15.
Role changing for utility environmental managers, by Sandra J. Strebel, John M. McNurney and Rena Steinzor. Mar.-Apr., p. 11.
BPA, Northwest utilities tackle radon, by Robin Cody. May-June, p. 42.
Something to think about: A solution to today's environmental problems, by Larry Hobart. Nov.-Dec., p. 6.
Weathering the storms in a warming world, by Irving Mintzer. Nov.-Dec., p. 15.
Efficiency: Defense against the long hot summer, by James L. Wolf. Nov.-Dec., p. 25.
EVANS, DANIEL (SEN.)
Fed up with ways of the Senate, Evans won't take it anymore. July-Aug., p. 8.
FARMER CITY, ILLINOIS
100... and counting, by Jeannine Anderson. Sept.-Oct., p. 42.
FEDERAL ENERGY REGULATORY COMMISSION
FERC proposals unnecessary and should be withdrawn, Hobart says. July-Aug., p . 10.
UP&L, Pacificorp merger must be conditioned, FERC is told. July-Aug., p. 10.
State regulators, small utilities boo proposal on competitive bidding. Sept.-Oct., p. 11.
Senate aide Moler, oilman Langdon tapped for FERC; Trabandt renominated;Hesse gets panel's vote. Sept.-Oct., p. 12.
The Republican President will leave his successor with a Democratic FERC. Nov.-Dec., p. 8.
FEDERAL POWER ACT
Correcting rate defects. Jan.-Feb., p. 19.
Bond limits, rate relief among legislative challenges, by Deborah Sliz. Jan.-Feb., p. 10.
Wholesale customers urged to push for Senate action on regulatory fairness bill. July-Aug., p. 8.
Regulatory reform bill wins senate panel vote. Sept.-Oct., p. 10.
Congress amends Federal Power Act to balance wholesale customer rights with those of monopolistic suppliers. Nov.-Dec., p. 8.
FEDERAL POWER MARKETING AGENCIES
Bond limits, rate relief among legislative challenges, by Deborah Sliz. Jan.-Feb.,p. 10.
FINANCING
Public power bond issues totalled $11 billion in '87. Mar.-Apr., p. 47.
Something to think about: Charting the course for APPA, by Larry Hobart. Mar.-Apr., p. 6.
Public power's progress, by Lori A. Woehrle. May-June, p. 10.
Financing peril, by Jeanne LaBella. July-Aug., p. 12.
APPA starts campaign to protect tax exempt financing. Sept.-Oct., p. 12.
In the tax-exempt bond raid, public power is vulnerable, by Ed Alter. Nov.-Dec., p. 56.
FISH AND WILDLIFE
Innovations: Birds aided by PUD, by Jacquie Cochran. Sept.-Oct., p. 40.
FUEL CELLS
Public power fuel cell project suspended. July-Aug., p. 11.
FUELS
Weathering the storms in a warming world, by Irving Mintzer. Nov.-Dec., p. 15.
GALION, OHIO
100... and counting, by Jeannine Anderson. Sept.-Oct., p. 42.
GENERATION
Innovation update: Overheating outages obsolete in Ontario, by Larry Bruneel. Jan.-Feb., p. 58.
GLOBAL WARMING
Weathering the storms in a warming world, by Irving Mintzer. Nov.-Dec., p. 15.
HALL, CAROLL C.
The other side: A salute to two sentinels, by Vic Reinemer. Jan.-Feb., p. 60.
HAZARDOUS WASTES
APPA issues new environmental compliance manual. Mar.-Apr., p. 15.
Role changing for utility environmental managers, by Sandra J. Strebel, John M. McNurney and Rena Steinzor. Mar.-Apr., p. 11.
HEALTH
BPA, Northwest utilities tackle radon, by Robin Cody. May-June, p. 42.
Innovations: Magnetic fields studied, by Jacquie Cochran. July-Aug., p. 51.
HEAT PUMP WATER HEATER
Low-powered living in high style, by Harold Simmons. July-Aug., p. 38.
HEAT PUMPS
Low-powered living in high style, by Harold Simmons. July-Aug., p. 38.
HEATING
The Innovators: Ancient technique reincarnated for modern use, by Jeanne LaBella. Sept.-Oct., p. 37.
HERRINGTON, KANSAS
100... and counting, by Jeannine Anderson. Sept.-Oct., p. 42.
HISTORY
100... and counting, by Jeannine Anderson. Sept.-Oct., p. 42.
Santee Cooper dramatizes roots of public power in South Carolina. Nov.-Dec., p. 11. (photo)
HYDRO PROJECTS
What a dam!, by John Kounts and Rick Reil. July-Aug., p. 48.
Federal dams - for canoes or kilowatts?, by Leon G. Billings. July-Aug., p. 56.

A new kind of relicensing competition, by Frances Francis. Sept.-Oct., p. 56.
HYDROELECTRIC POWER - LICENSING
A new kind of relicensing competition, by Frances Francis. Sept.-Oct., p. 56.
INDUSTRIAL DEVELOPMENT
New partnerships for economic development, by Toni Clark. Sept.-Oct., p. 48.
INSIDE APPA
by Jennifer Sacks
12 Consumer owned utilities win 1987 annual report awards, Jan.-Feb., p. 59.
CS&C, AFR&IS section heads, committee chairpersons named for 1987-88, Jan.-Feb., p. 59.
Excellence and opportunity theme of 32nd annual E&O workshop, Jan.-Feb. p. 59.
INSIDE APPA
by Lori Woehrle
31-year employee Margaret "Winnie" Winfough retires, three join staff, Mar.-Apr., p. 58.
Florida leading in 'Year of the Member' contest, Mar.-Apr., p. 58.
Quick return of excess IOU tax collections among APPA policy resolutions, Mar.-Apr., p. 58.
INSIDE APPA
by Jacquie Cochran
New APPA publications available, May-June, p. 67.
APPA finance group formed, May-June, p. 67.
Direct phone service to APPA staff available, May-June, p. 67.
INVESTOR-OWNED UTILITIES (IOU'S)
The subsidy debate, by John Kelly. July-Aug., p. 18.
IOWA ASSOCIATION OF MUNICIPAL UTILITIES
Innovations: Iowa lights businesses, by Jacquie Cochran. Nov.-Dec., p. 50.
JOINT ACTION
Public power bond issues totalled $11 billion in '87. Mar.-Apr., p. 47.
KANSAS CITY , MISSOURI
Rodeo time in Kansas City. Mar.-Apr., p. 40.
KENYA
Electricity boosting Kenyan development, by Carol Mulholland. May-June, p. 52.
KEY WEST, FLORIDA
Resource recovery in paradise, by Arthur H. Purcell. July-Aug., p. 44.
KINSTON, NORTH CAROLINA
Innovations: Bar codes speed billing, by Jacquie Cochran. Nov.-Dec., p. 50.
LAKELAND, FLORIDA
Innovation update: Growing pains for Lakeland's meter readers, by Larry Bruneel. Jan.-Feb., p. 58.
LEGISLATION
Correcting rate defects. Jan.-Feb., p. 19.
Bond limits, rate relief among legislative challenges, by Deborah Sliz. Jan.-Feb., p. 10.
Inside APPA: Quick return of excess IOU tax collections among APPA policy resolutions, by Lori Woehrle. Mar.-Apr., p. 58.
Something to think about: Charting the course for APPA, by Larry Hobart. Mar.-Apr., p. 6.
APPA: No federal solution on territory disputes. Sept.-Oct., p. 11.
LIGHTING
Innovation update: Lighting load lightened, by Larry Bruneel. Mar.-Apr., p. 59.
Daylighting cuts commercial peaks, by Jacquie Cochran. Mar.-Apr., p. 16.
The innovators: Marketing savvy brings efficient lightbulbs to town, by Jeanne LaBella. Sept.-Oct., p. 38.
Lighting city hall, by Jill Kunka. Nov.-Dec., p. 32.
Innovations: Iowa lights businesses, by Jacquie Cochran. Nov.-Dec., p. 50.
LINCOLN, NEBRASKA
Low-powered living in high style, by Harold Simmons. July-Aug., p. 38.
LINEMEN
Rodeo time in Kansas City. Mar.-Apr., p. 40
Watertown does it safely, by Bill Wagner. Mar.-Apr., p. 39.
Learning the ropes, by Marci Rehg. July-Aug., p. 52.
LOAD MANAGEMENT
Daylighting cuts commercial peaks, by Jacquie Cochran. Mar.-Apr., p. 16.
The innovators: Beat the peak saves $96,000 in first year, by Jeanne LaBella. Sept.-Oct., p. 36.
The innovators: Ancient technique reincarnated for modern use, by Jeanne LaBella. Sept.-Oct., p. 37.
The innovators: Marketing savvy brings efficient lightbulbs to town, by Jeanne LaBella. Sept.-Oct., p. 38.
LOS ANGELES, CALIFORNIA
Something to think about: Mapping the future, by Larry Hobart. May-June, p. 6.
LOWER COLORADO RIVER AUTHORITY
Innovations: Low water use landscaping, by Jacquie Cochran. July-Aug., p. 51.
MANAGEMENT
Role changing for utility environmental managers, by Sandra J. Strebel, John M. McNurney and Rena Steinzor. Mar.-Apr., p. 11.
Moving up to supervisor, by L. Michael Tompkins. Mar.-Apr., p. 31.
Measuring utility performance, by John Kelly and Cynthia Gaskill. Sept.-Oct., p. 22.
Peer audits, by Donna Panasci. Sept.-Oct., p. 32.
Performance management: An aspirin or a long term cure?, by Bob Sherron. Nov.-Dec., p. 48.
MARKETING
Strategic policy planning for publicly owned utilities, by Kenneth J. Mellor. May-June, p. 28.
The innovators: Marketing savvy brings efficient lightbulbs to town, by Jeanne LaBella. Sept.-Oct., p. 38.
New partnerships for economic development, by Toni Clark. Sept.-Oct., p. 48.
MATINICUS PLANTATION (MAINE)
Maine's powerful mini muni, by Arthur H. Purcell. Jan.-Feb., p. 22.
MEETINGS (APPA)
Inside APPA: Excellence and opportunity theme of 32nd annual E&O workshop, by Jennifer Sacks. Jan.-Feb., p. 59.
Come and grow with E&O, by Dan Lewis. Mar.-Apr., p. 28.
MEMBERSHIP (APPA)
Inside APPA: Florida leading in 'Year of the member' contest, by Lori Woehrle. Mar.-Apr., p. 58.
METER READING
Innovation update: Growing pains for Lakeland's meter readers, by Larry Bruneel. Jan.-Feb., p. 58.
Battling power theft, by Karl A. Seger. Jan.-Feb., p. 28.
METER TAMPERING
Battling power theft, by Karl A. Seger. Jan.-Feb., p. 28.
States set new rules for municipals in 1987, by Randy Swisher and Vic Reinemer. Mar.-Apr., p. 22.
MILFORD, DELAWARE
Innovation update: New underground cables get thumbs up in Milford, by Larry Bruneel. Jan.-Feb., p. 58.
MOORE, JUDSON
The other side: A salute to two sentinels, by Vic Reinemer. Jan.-Feb., p. 60.
MUNICIPAL BONDS
Bond limits, rate relief among legislative challenges, by Deborah Sliz. Jan.-Feb., p. 10.
Public power bond issues totalled $11 billion in'87. Mar.-Apr., p. 47.
Something to think about: Charting the course for APPA, by Larry Hobart. Mar.-Apr., p. 6.
Public power's progress, by Lori A. Woehrle. May-June, p. 10.
Financing peril, by Jeanne LaBella. July-Aug., p. 12.
APPA starts campaign to protect tax exempt financing. Sept.-Oct., p. 12.
Rules proposed for bonds. Nov.-Dec., p. 10.
In the tax-exempt bond raid, public power is vulnerable, by Ed Alter. Nov.-Dec., p. 56.
MUNICIPALLY OWNED UTILITIES
Maine's powerful mini muni, by Arthur H. Purcell. Jan.-Feb., p. 22.
Advocacy group forming. May-June, p. 16.
Public power's progress, by Lori A. Woehrle. May-June, p. 10.
What to do when an IOU wants you, by Charles F. Revell. May-June, p. 23.
Clyde's coming back, by Deborah Nuttall. May-June, p. 18.
Searching for solutions to territorial disputes, by Jeanne LaBella. Sept.-Oct., p. 14.
The cable evolution, by Jeanne LaBella. Sept.-Oct., p. 26.
100..and counting, by Jeannine Anderson. Sept.-Oct., p. 42.
The Missouri compromise, by Robert Alderson. Sept.-Oct., p. 18.

How we got there, by Richard Malon. Sept.-Oct., p. 20.
NEBRASKA PUBLIC POWER DISTRICT
Nebraska utility's drug testing program upheld by US Court. July-Aug., p. 11.
NEW MUNICIPALS
States set new rules for municipals in 1987, by Randy Swisher and Vic Reinemer. Mar.-Apr., p. 22.
Advocacy group forming. May-June, p. 16.
Clyde's coming back, by Deborah Nuttall. May-June, p. 18.
Public Power's progress, by Lori A. Woehrle. May-June, p. 10.
NEW YORK POWER AUTHORITY
NYPA carves a franchise out of the heart of Con Edison's. Nov.-Dec., p. 10.
NUCLEAR PLANTS
Bond limits, rate relief among legislative challenges, by Deborah Sliz. Jan.-Feb., p. 10.
Antitrust conditions 'essential'. Sep.-Oct., p. 12.
Nuclear liability law extended for 15 years. Nov.-Dec., p. 9.
NUCLEAR REGULATORY COMMISSION
Senate aide tapped for nuclear panel seat. Nov.-Dec., p. 11.
NUCLEAR WASTES
Bond limits, rate relief among legislative challenges, by Deborah Sliz. Jan.-Feb., p. 10.
ONTARIO HYDRO
Innovation Update: Overheating outages obsolete in Ontario, by Larry Bruneel. Jan.-Feb., p. 58.
OWENSBORO, KENTUCKY
Incentives improve safety, by Sharon D. Coffman. Mar.-Apr., p. 36.PCB's
Role changing for utility environmental managers, by Sandra J. Strebel, John M. McNurney, and Rena Steinzor. Mar.-Apr., p. 11.
Something to think about: Charting the course for APPA, by Larry Hobart. Mar.-Apr., p. 6.
PACIFICORP
Ruling expected on UP&L suit, Public Power opposes merger with Pacificorp. Jan.-Feb., p. 14.
UP&L, Pacificorp merger must be conditioned, FERC is told. Jul.-Aug., p. 10.
PAINESVILLE, OHIO
100...and counting, by Jeannine Anderson. Sep.-Oct., p. 42.
PERFORMANCE MEASUREMENT
Measuring utility performance, by John Kelly and Cynthia Gaskill. Sep.-Oct., p. 22.
Performance management: An aspirin or a long term cure?, by Bob Sherron. Nov.-Dec., p. 48.
PERSONNEL
Innovation Update: Growing pains for Lakeland's meter readers, by Larry Bruneel. Jan.-Feb., p. 58.
Incentives improve safety, by Sharon D. Coffman. Mar.-Apr., p. 36.
Moving up to supervisor, by L. Michael Tompkins. Mar.-Apr., p. 31.
Something to think about: Mapping the future, by Larry Hobart. May-June, p. 6.
Learning the ropes, by Marci Rehg. Jul.-Aug., p. 52.
Nebraska utility's drug testing program upheld by US Court. Jul.-Aug., p. 11.
Performance management: An aspirin or a long term cure?, by Bob Sherron. Nov.-Dec., p. 48.
PHOTOGRAPHS
Powerful photos win contest. Mar.-Apr., p. 42.
Pix pay off. May-June, p. 51.
It's time to shoot summer scenes for photo contest. Jul.-Aug., p. 11.
Last call for photo entries. Nov.-Dec., p. 9.
POLES
Innovations: wood poles tested in-situ, by Jacquie Cochran. Sep.-Oct., p. 40.
POWER PLANTS
Local systems budget $5.77 billion for 1988 plant work. Jan.-Feb., p. 42.
Something to think about: A solution to today's environmental problems, by Larry Hobart. Nov.-Dec., p. 6.
POWER SUPPLY
Something to think about: reactions to change vary, by Larry Hobart. Jan.-Feb., p. 5.
States set new rules for municipals in 1987, by Randy Swisher and Vic Reinemer. Mar.-Apr., p. 22.
Efficiency: Defense against the long hot summer, by James L. Wolf. Nov.-Dec., p. 25.
PREFERENCE
Ruling expected on UP&L suit, public power opposes merger with Pacificorp. Jan.-Feb., p. 14.
What a dam!, by John Kounts and Rick Reil. Jul.-Aug., p. 48.
PROMOTIONAL PRACTICES
Creativity, variety hail Public Power Week, by Pat Logie. Jan.-Feb., p. 38.
People power, by Cindy Vizza. Jul.-Aug., p. 22.
PUBLIC OPTIONS GROUP
Advocacy group forming. May-June, p. 16.
PUBLIC POWER
Creativity, variety hail Public Power Week, by Pat Logie. Jan.-Feb., p. 38.
The other side: a salute to two sentinels, by Vic Reinemer. Jan.-Feb., p. 60.
Public power bond issues totalled $11 billion in '87. Mar.-Apr., p. 47.
Advocacy group forming. May-June, p. 16.
Put public power on the presidential agenda, by Marge Harrison. May-June, p. 26.
Something to think about: Public Power Week: Building a tradition, by Larry Hobart. Jul.-Aug., p. 6.
People power, by Cindy Vizza. Jul.-Aug., p. 22.
Something to think about: 'Public power today is strong', by Larry Hobart. Sep.-Oct., p. 6.
October 9-15 marks 2nd observance of Public Power Week. Sep.-Oct., p. 11.
Santee Cooper dramatizes roots of public power in South Carolina. Nov.-Dec., p. 11. (photo)
PUBLIC POWER BENEFITS
Put public power on the presidential agenda, by Marge Harrison. May-June, p. 26.
Public power costs less. Jul.-Aug., p. 26.
PUBLIC POWER MAGAZINE
The other side: get the message there, by Vic Reinemer. Mar.-Apr., p. 60.
The other side: so long, by Vic Reinemer. May-June, p. 68.
PUBLIC RELATIONS
Creativity, variety hail Public Power Week, by Pat Logie. Jan.-Feb., p. 38.
What to do when an IOU wants you, by Charles F. Revell. May-June, p. 23.
PUBLIC UTILITY HOLDING COMPANY ACT
Ruling expected on UP&L suit, public power opposes merger with Pacificorp. Jan.-Feb., p. 14.
PUBLICATIONS (APPA)
APPA issues new environmental compliance manual. Mar.-Apr., p. 15.
Publications catalog. Mar.-Apr.
Inside APPA: New APPA publications available, by Jacquie Cochran. May-June, p. 67.
RAILROADS
Bond limits, rate relief among legislative challenges, by Deborah Sliz. Jan.-Feb., p. 10.
Senate unit subcumbs to railroads, rejects reform bill. Nov.-Dec., p. 8.
RATES (ELECTRIC)
Correcting rate defects. Jan.-Feb., p. 19.
Bond limits, rate relief among legislative challenges, by Deborah Sliz. Jan.-Feb., p. 10.
Strategic policy planning for publicly owned utilities, by Kenneth J. Mellor. May-June, p. 28.
Public power costs less. Jul.-Aug., p. 26.
Wholesale customers urged to push for senate action on Regulatory Fairness bill. Jul.-Aug., p. 8.
Regulatory reform bill wins senate panel vote. Sep.-Oct., p. 10.
Congress amends Federal Power Act to balance wholesale customer rights with those of monopolistic suppliers. Nov.-Dec., p. 8.
REGULATION
Something to think about: reactions to change vary, by Larry Hobart. Jan.-Feb., p. 5.
Strategic policy planning for publicly owned utilities, by Kenneth J. Mellor. May-June, p. 28.
FERC proposals unnecessary and should be withdrawn, Hobart says. Jul.-Aug., p. 10.
State regulators, small utilities boo proposal on competitive bidding. Sep.-Oct., p. 11.
Regulation essential, power survey needed, APPA tells candidates. Nov.-Dec., p. 10.
RELIABILITY
Innovation Update: overheating outages obsolete in Ontario, by Larry Bruneel. Jan.-Feb., p. 58.

Strained transmission facilities are common to three regions facing reliability risks. Nov.-Dec., p. 11.
SAFETY
Watertown does it safely, by Bill Wagner. Mar.-Apr., p. 39.
Rodeo time in Kansas City. Mar.-Apr., p. 40.
Incentives improve safety, by Sharon D. Coffman. Mar.-Apr., p. 36.
59 systems commended for safety. May-June, p. 49.
SALT RIVER PROJECT
The Innovators: ancient technique reincarnated for modern use, by Jeanne LaBella. Sep.-Oct., p. 37.
Innovations: Litterbugs won't pollute, by Jacquie Cochran. Nov.-Dec., p. 50.
SEATTLE CITY LIGHT
Blackout in Seattle, by Jeannine Anderson. Nov.-Dec., p. 43.
SELLOUTS
What to do when an IOU wants you, by Charles F. Revell. May-June, p. 23.
SERVICE AREAS
States set new rules for municipals in 1987, by Randy Swisher and Vic Reinemer. Mar.-Apr., p. 22.
Searching for solutions to territorial disputes, by Jeanne LaBella. Sep.-Oct., p. 14.
The Missouri compromise, by Robert Alderson. Sep.-Oct., p. 18.
How we got there, by Richard Malon. Sep.-Oct., p. 20.
SHREWSBURY, MASSACHUSETTS
The Innovators: beat the peak saves $96,000 in first year, by Jeanne LaBella. Sep.-Oct., p. 36.
SOLID WASTE AS FUEL
Innovation Update: Old plant + municipal waste = new energy, by Larry Bruneel. Mar.-Apr., p. 59.
Resource recovery in paradise, by Arthur H. Purcell. Jul.-Aug., p. 44.
SOLID WASTE MANAGEMENT
Resource recovery in paradise, by Arthur H. Purcell. Jul.-Aug., p. 44.
SOUTH CAROLINA PUBLIC SERVICE AUTHORITY
Innovation Update: Santee Cooper finds supplier down home, by Larry Bruneel. Mar.-Apr., p. 59.
New partnerships for economic development, by Toni Clark. Sep.-Oct., p. 48.
Santee Cooper dramatizes roots of public power in South Carolina. Nov.-Dec., p. 11. (photo)
SPRINGFIELD, ILLINOIS
Lighting city hall, by Jill Kunka. Nov.-Dec., p. 32.
STATE LEGISLATION
States set new rules for municipals in 1987, by Randy Swisher and Vic Reinemer. Mar.-Apr., p. 22.
STATISTICS
Local systems budget $5.77 billion for 1988 plant work. Jan.-Feb., p. 42.
Public power bond issues totalled $11 billion in '87. Mar.-Apr., p. 47.
STRATEGIC PLANNING FOR UTILITIES
Something to think about: reactions to change vary, by Larry Hobart. Jan.-Feb., p. 5.
Something to think about: mapping the future, by Larry Hobart. May-June, p. 6.
Strategic policy planning for publicly owned utilities, by Kenneth J. Mellor. May-June, p. 28.
Peer audits, by Donna Panasci. Sep.-Oct., p. 32.
SUPREME COURT
Financing peril, by Jeanne LaBella. Jul.-Aug., p. 12.
TACOMA, WASHINGTON
Innovation Update: Old plant + municipal waste = new energy, by Larry Bruneel. Mar.-Apr., p. 59.
TAUNTON, MASSACHUSETTS
Innovation Update: lighting load lightened, by Larry Bruneel. Mar.-Apr., p. 59.
The Innovators: marketing savvy brings efficient lightbulbs to town, by Jeanne LaBella. Sep.-Oct., p. 38.
TAXES
Something to think about: charting the course for APPA, by Larry Hobart. Mar.-Apr., p. 6.
Financing peril, by Jeanne LaBella. Jul.-Aug., p. 12.
The subsidy debate, by John Kelly. Jul.-Aug., p. 18.
APPA starts campaign to protect tax exempt financing. Sep.-Oct., p. 12.
TENNESSEE
New partnerships for economic development, by Toni Clark. Sep.-Oct., p. 48.
TENNESSEE VALLEY AUTHORITY
TVA employees await word on reduction in force. Jul.-Aug., p. 10.
TERMINATION OF SERVICE
Battling power theft, by Karl A. Seger. Jan.-Feb., p. 28.
TRAINING
Watertown does it safely, by Bill Wagner. Mar.-Apr., p. 39.
Moving up to supervisor, by L. Michael Tompkins. Mar.-Apr., p. 31.
Learning the ropes, by Marci Rehg. Jul.-Aug., p. 52.
TRANSMISSION
Something to think about: reactions to change vary, by Larry Hobart. Jan.-Feb., p. 5.
Strained transmission facilities are common to three regions facing reliability risks. Nov.-Dec., p. 11.
TRANSMISSION LINES
Innovations: magnetic fields studied, by Jacquie Cochran. Jul.-Aug., p. 51.
URD/UNDERGROUND
Innovation Update: new underground cables get thumbs up in Milford, by Larry Bruneel. Jan.-Feb., p. 58.
UTAH POWER & LIGHT COMPANY
Ruling expected on UP&L suit, Public power opposes merger with Pacificorp. Jan.-Feb., p. 14.
UP&L, Pacificorp merger must be conditioned, FERC is told. Jul.-Aug., p. 10.
UTILITY EDUCATION COURSES
Education courses expanded, updated, by Toni Clark. Jan.-Feb., p. 36.
UEC program opens September 22 in Kansas City. Jul.-Aug., p. 8.
WASHINGTON PUBLIC POWER SUPPLY SYSTEM
Rules proposed for bonds. Nov.-Dec., p. 10.
WATER RESOURCES
Municipal pumping efficiencies, by Herbert Blinder. Jul.-Aug., p. 32.
Innovations: low-water-use landscaping, by Jacquie Cochran. Jul.-Aug., p. 51.
Federal dams - for canoes or kilowatts?, by Leon G. Billings. Jul.-Aug., p. 56.
WATERTOWN, CONNECTICUT
Watertown does it safely, by Bill Wagner. Mar.-Apr., p. 39.
WINFOUGH, MARGARET
Inside APPA: 31-year employee Margaret "Winnie" Winfough retires, three join staff, by Lori Woehrle. Mar.-Apr., p. 58.

BOOK REVIEWS

BUILDING ON SUCCESS: THE AGE OF ENERGY EFFICIENCY, by Christopher Flavin. May-June, p. 62.
A FARMER TAKES A STAND, by Ken Holum. Jan.-Feb., p. 49.
NEIGHBORS, by Scott Hudson. May-June, p. 62.
RENEWABLE ENERGY: TODAY'S CONTRIBUTION, TOMORROW'S PROMISE, by Cynthia Pollack Shea. May-June, p. 62.
PEOPLE, POLITICS AND PUBLIC POWER, by Ken Billington, p. 53.
PUBLIC POWER ESSENTIALS, by Scott Sparling. May-June, p. 62.

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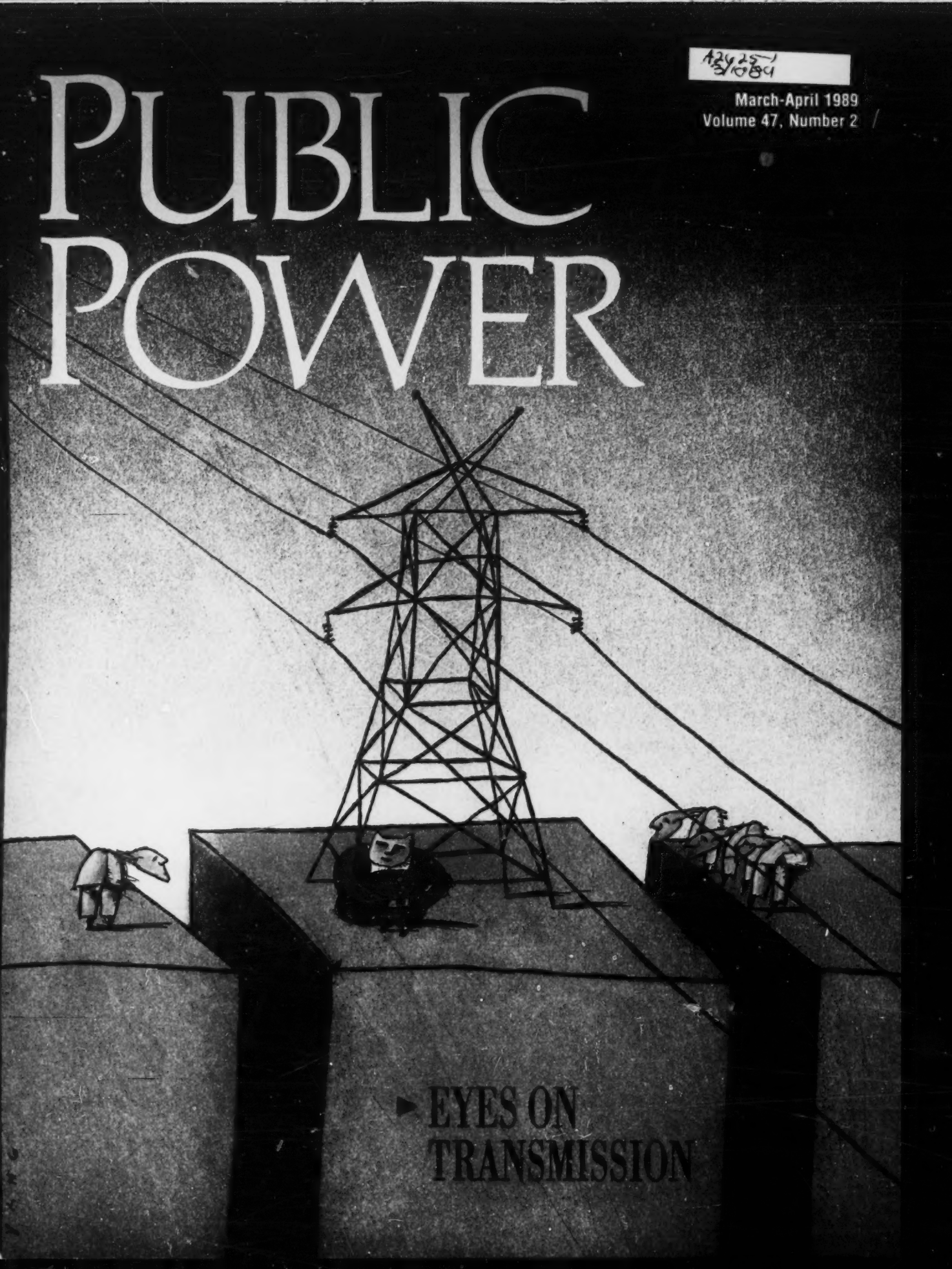
PUBLIC POWER

March-April 1989
Volume 47, Number 2



EYES ON TRANSMISSION

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PUBLIC POWER

March-April 1989
Volume 47, Number 2

Cover: Will access to transmission finally open up? See page 20.
Cover illustration by James Yang

Flawed arguments on bonds. See page 54.

Top: Here are the winners. See page 52.
Left: Energy services, Italian style. See page 58.

FEATURES

16 Reducing Distribution Line Losses ..... *by John Moore*
The best opportunity to minimize line losses presents itself when equipment is purchased.

20 The Transmission Access Debate *by Jeanne Wickline LaBella*
The decades-old call for access to the highways that carry electricity from the point of production to the points of use may finally have an ear in Washington.

26 The Minnesota Compromise .....*by Sheree L. Brown*
No one lost much in the settlement of a territorial dispute between two municipal utilities in Minnesota.

46 The Lessons Of Rose Chemical .....*by Rena Steinzor*
A transformer disposed of years ago could come back to haunt a utility in a costly way, as many utilities discovered in the Rose Chemical debacle.

52 They Shot Public Power .....*by Laurie Joachim*
Here are the winners in *Public Power's* 1989 photo contest.

54 Responding To The Attacks On Municipal Bonds.....
by Lorel Wisniewski
Tax-exempt financing leaves responsibility and authority for local decisions where it belongs—in the hands of local policymakers.

58 Servizio Energia a La Milanese .....*by Augusto Scacchi*
The municipal utility in Milan, Italy, takes a comprehensive approach to meeting the city's energy needs while protecting the environment.

60 Weather-Watching in Greenville .....
by Malcolm A. Green and Susan Bizarro
A North Carolina utility is ready for the weather before it arrives.

64 You Ought To Be In Pictures ..... *by Cindy Vizza*
People power ads go local in many communities.

DEPARTMENTS

6 Something To Think About
8 Comebacks
10 Chronicle
63 Almanac
66 Innovations
69 Monograph
72 Omega

CHRONICLE

Going To Disney World

The Marriott World Center Resort in Orlando, Fla., is the site of the annual National Conference of the American Public Power Association June 5-7. The annual gathering of hundreds of managerial and policymaking officials of the nation's publicly owned electric utilities will offer a look at emerging national and global issues as well as some of the ever-present local issues that seem to crop up in every community. Session topics planned for the three-day meeting include:

- financing the future,
- industry restructuring,
- what to say when the city asks for more money,
- truth and consequences of demand-side management,
- community support is a two-way street,
- responding to utility economics of the 1990s,
- what the public wants from public power,
- how to win in the political arena and many others.

Each year the conference attracts many prominent speakers from within and outside the electric utility industry. The meeting will be preceded by three seminars on June 2 and 3. Seminar titles are: "Utility Management—Organizations as Phrog Farms and How to Drain the Swamp"; "Practical Policy for Environmental Compliance"; and "The Board-Management Relationship."

Special entertainment programs during conference week will include an evening at Sea World, featuring dinner and private shows, on June 6. A full schedule of special activities will be offered for spouses and children accompanying delegates to the meeting.

The registration fee for the meeting is $300 for individuals affiliated with APPA member organizations and $450 for others. Fees will increase to $325 and $475 after May 15. Pre-conference seminar fees are $175 for members and $275 for others. To register for the conference and seminars, call or write Teresa Tarver, American Public Power Association, 2301 M St. N.W., Washington, D.C., 20037; 202/467-2922. ❑

Take Out A Pen . . .

As luck would have it the 1989 *Public Power* directory is not perfect. To remove the warts from your copy, take out a pen and note the following corrections:

- On page 50 delete the dollar sign that appears next to the first number on the table headed "KWH Sales."
- On page 51 the * footnote in the left column should read: *Previous year totals of public power systems have been higher because the count included 237 towns in Nebraska that lease their distribution systems to Nebraska Public Power District, Loup Power District or other utilities. . ."
- On page 59 the heading on chart 11 should be: Accounting and Collections Expenses Per Customer.
- On page 59 Chart 12 should indicate that the numbers for installed generating capacity are megawatts. Also, the numbers for gas and oil (which are correct) are on the wrong piece of pie and should be switched (23 percent of the pie is larger than 16.1 percent).
- On page 92 the entry for the city of Owensboro, Ky., should be changed to read as follows.

  1987 kWh generated:
  1,331,178,800
  1987 kWh purchased: 0
- On page 105, the entry for the city of Malden, Mo., should be changed to read as follows:

  Malden Board of Public Works
  111 E. Laclede St.
- On page 139, the entry for the city of Danville, Va., should include only hydro generating capacity, not coal.
- On page 144, the phone number for the city of Two Rivers, Wis., should be 414/793-5550 and the nameplate capacity for that city should be deleted.
- On page 146, American Municipal Power-Indiana, Inc. is now defunct and should no longer be listed among joint action agencies.
- On page 147 the street address for North Carolina Eastern Municipal Power Agency and North Carolina Municipal Power Agency No. 1 should be changed to 1427 Meadowwood Blvd. The phone number for those two organizations should be changed to 919/832-9924.
- On page 152 the entry for South Carolina Association of Municipal Power Systems should read as follows:

  Box 12109
  Columbia, S.C. 29211
  803/799-9574
  Steven L. Harrell, President
- On page 156, the telephone number for Saffer Utility Consultants is 407/898-8531.
- On page 162, the entry for associate member Lori Vein should be changed to read as follows:

  1 New York Plaza, 45th floor
  212/747-2326

And finally, to save one copy of the directory from the Union City, Tenn., trash, note that the utility there prefers to be known as the "Union City Electric System." (See Comebacks, page 8.)

When you've finished marking up your directory, flip back to page 12 of the January-February issue of *Public Power* and note that, while Congress has 535 seats, only 435 of them are in the House of Representatives; the other 100 are in the Senate. ❑

Mine Workers Chief Endorses Mitchell's Acid Rain Proposal

The compromise legislation offered last fall by Sen. George Mitchell (D-Maine) should be adopted promptly by Congress, the president of the United Mine Workers said.

Trumka: Don't blame mine workers for killing acid rain control bills.

The proposal was killed by an odd partnership—environmentalists and electric utilities, said Richard L. Trumka, president of the coal miners' union.

"The compromise proposal is

The Transmission Access Debate

Some have it; others want it. Without transmission access a competitive bulk power market will never materialize.

by Jeanne Wickline LaBella

For decades, consumer-owned electric utilities have complained with increasing seriousness about the lack of access to transmission. The prevalence of generating surpluses in many regions of the United States over the past few years, coupled with the rapid growth of small power and cogeneration facilities spurred by passage of the Public Utility Regulatory Policies Act of 1978, has intensified battles between large monopoly owners of transmission and smaller consumer-owned utilities that would like to lower costs by purchasing bulk power from remote generating stations. Time and time again, large private owners of transmission lines have employed varying tactics—exorbitant prices, outright refusals, claims of no capacity, delayed responses to requests for wheeling, etc.—to deny access to the precious transmission lines. The transmission owners fiercely guard the highways that will carry electrons from the point of production to the points of use. They understand well the observation made in 1965 by Federal Power Commissioner Charles Ross, who told the Senate Commerce Committee: "It is the parties who control the transmission, the arteries of the industry, that control the destiny of the millions of ratepayers of this nation."

Genuine capacity constraints do exist. Most electric transmission lines have been constructed by individual utility systems to move a specific block of power from designated sources to load centers. Generally, these lines were constructed without regard to regional transmission needs; they occupy valuable rights-of-way, but were not designed to benefit all utilities within the region. This piecemeal approach to transmission line construction has resulted in capacity limitations.

The debut a year ago of the Federal Energy Regulatory Commission's trio of NOPRs (notice of proposed rulemaking) on administrative determination of avoided cost, competitive bidding and independent power producers boosted the volume on complaints about transmission access. The NOPRs were virtually silent on the issue of transmission. Persistent calls by consumer organizations and pressure from her own colleagues—chiefly Commissioners Charles Stalon and Charles Trabandt—convinced FERC Chairman Martha Hesse to launch a commission examination of transmission issues. Last fall she named Stalon chairman of a FERC task force on transmission.

Owners, users and wish-they-were-users of transmission have regarded creation of the task force as an invitation to present their respective proposals for a transmission policy solution. First at the FERC doorstep was one of the biggest haves in the industry: Pacific Gas & Electric Co. PG&E called for voluntary access, i.e., volunteered by the owner, in return for flexible pricing. The higher incentive pricing policy would encourage construction of new transmission capacity, the company said.

Some consumer-owned electric utilities said adoption of the PG&E proposal would amount to FERC-sanctioned bribery of the transmission haves in an effort to get them to expand and share transmission capacity.

At least two other proposals for transmission access have been delivered to the FERC, the Transmission Access Policy proposal from a group of consumer-owned utilities, the other from the Electricity Resource Consumers Council, an organization of large industrial customers.

Public debate on transmission access was further intensified by the commission's Oct. 26, 1988 order in the UP&L/PacifiCorp merger case in which the commission conditioned approval of the merger on the resultant company's agreement to provide access to its transmission facilities.

Robert McDiarmid, the attorney who represented the American Public Power Association and the National Rural Electric Cooperative Association before the FERC in the UP&L/PacifiCorp merger, called the merger ruling "one of the most momentous decisions from the FERC in the last eight years." McDiarmid said the order holds seven key findings for utilities seeking improved access to transmission:

- Imposition of an absolute obligation to provide firm transmission access within an integrated service area;
- Imposition of a permanent absolute obligation to provide firm transmission access with no more than five years notice, if construction is required, to any utility. If the company

has not constructed the necessary transmission to provide access to others, it must reduce its own off-system use to provide access.

- The rate for firm transmission service must be based on embedded costs for five years. At the end of five years it may be reconsidered, but it must still be cost-based.
- Transmission is defined as a product market separate from bulk power and retail distribution.
- The FERC will maintain continued jurisdiction over the merged company and will be able to add additional conditions later.
- All utilities that request it are to be permitted to participate in construction of transmission facilities of 345-kV or higher and transmission-dependent utilities can participate in upgrades, improvements or additions to backbone transmission of 138 kV or higher, interconnections and substation facilities of the division that serves them (subject to state regulatory approval), provided that the requesting utility is prepared to share equitably in the costs and benefits of the project.
- The actions were taken on the basis of the commission's authority to condition mergers and an antitrust analysis that FERC believes is appropriate.

Eager to consummate the merger, UP&L and PacifiCorp told the commission they could accept the conditions, saying the cost represented by the conditions would be more than offset by the benefits of the merger. Then, on Jan. 9, three days after the merger was completed, PacifiCorp asked the commission to vacate its merger order and to accept a settlement that would encompass all of the conditions of the merger order. The utility's unusual request was aimed at diluting the precedential effect of the commission's order to assure that it "not be regarded as establishing any principles and not be used for any other purpose, other than the settlement of these proceedings."

In a Jan. 4 letter to Senate Energy & Natural Resources Committee Chairman Bennett Johnston (D-La.), FERC Chairman Martha Hesse said the merger order addresses only the specific facts of the UP&L/PacifiCorp case and does not represent general commission policy. Nevertheless, it is against the backdrop of the commission's order in the UP&L/PacifiCorp merger that the current dialogue on transmission takes place.

Significant Transmission Events

1920—Congress enacts the Federal Water Power Act which provided the Federal Power Commission with basic authorities over transmission issues.

1970—The Atomic Energy Act amendments stipulate that nuclear power plant license applicants are subject to prelicensing antitrust review by the Nuclear Regulatory Commission and the attorney general to determine whether activities under a license would create or maintain a situation inconsistant with antitrust laws. Since 1970 about 30 utilities have had licensing conditions imposed by the NRC requiring some form of wheeling obligations for neighboring systems.

1973—The U.S. Supreme Court upholds a lower court order requiring Otter Tail Power Co. to wheel power to the village of Elbow Lake, Minn. The court said Otter Tail violated the Sherman Act by engaging in anticompetitive behavior designed to bar creation of competing distribution systems.

1976—The Municipal Electric Authority of Georgia and Georgia Power Co. reach an agreement that provides for use of existing transmission facilities by both parties. After making a payment to Georgia Power, MEAG obtained the right to use the integrated transmission system at no charge. Each party is responsible for the operation and maintenance of its respective systems. The transmission system is administered and implemented by a joint committee of all parties. Future facilities are planned on a coordinated basis with investment responsibilities linked to coincident peak load. Similar agreements between Georgia Power and Oglethorpe Electric Membership Corp. make the Georgia transmission grid virtually an open access system.

1978—Congress enacts the Public Utility Regulatory Policies Act which, in part, gives the Federal Energy Regulatory Commission authority to order wheeling in certain circumstances.

1979—Supreme Court overturns FERC decision that ordered New York State Electric and Gas Corp. to wheel to annexed territory served by village of Penn Yan, N.Y. The court ruled that

The Proposals

The proposals submitted to Commissioner Stalon's transmission task force are complex. PG&E, which owns more than 18,000 miles of transmission lines, advocates a transmission access scheme in which monopoly ownership is maintained but access on the lines is offered to nonowners on one of three bases:

- Reserved transmission service, for captive utility customers to meet basic energy needs. Service would be offered under long-term contracts and rates would be based on embedded costs, plus the actual cost of any required capacity upgrades. The transmission owner would have flexibility to reduce rates to meet competition.
- Inter-control area transmission service, for utilities outside the wheeling utility's control area that want to import power from investor-owned utilities, qualifying facilities or independent power producers. Rates would be based on embedded costs, but the transmission owner would have the flexibility to increase rates if demand exceeded available capacity or to lower rates, if necessary, to meet competition.
- Coordination service, for any other utility for any other purpose. Rates would be flexible, subject to a FERC-approved ceiling, and could differ among customers without being regarded as discriminatory.

Important Concession

"On the surface, the PG&E proposal is positive because we have a major investor-owned utility discussing opening access to others," said John Anderson, executive director of the Electricity Resource Consumers Council. "It is an admission that there are no techni-

FERC cannot order wheeling, even if only to expand current transmission service. The court also found that PURPA imposed stringent requirements for wheeling orders to preserve the voluntary nature of wheeling arrangements.

1981—The 5th Circuit U.S. Court of Appeals rules that FERC could not order a tariff in place of separate filings because that would amount to ordering wheeling and would impose common carrier status on transmission lines in violation of the Federal Power Act. However, the court said the commission is free to consider competitive issues and to modify transmission agreements provided that its orders do not expand a preexisting voluntary wheeling commitment.

1983—In its first case involving a request for a wheeling order under PURPA, the FERC finds that existing competitive relationships would have been significantly altered if Kentucky Utilities had been ordered to wheel power to six of its wholesale customers for the Southeastern Power Administration.

1985—The 21 members of Indiana Municipal Power Agency reach agreement with Public Service of Indiana and Wabash Valley Power Association calling for shared ownership and access to the state's integrated transmission system. Each party has the right to use transmission facilities owned by the other two, thereby creating for each an undivided ownership interest as a tenant in common to the use, output and capacity of the system. Ownership additions will be based on system loads of each participant. PSI handles operation and maintenance of the system.

1986—Commonwealth Edison Co.'s attempt to charge marginal cost-based transmission rates to two former bulk power customers—the Illinois cities of Geneva and Rock Falls—is rejected by FERC. The commission orders Common wealth Edison to file a rate tariff based on average system transmission costs.

1986—Missouri Basin Municipal Power Agency purchases about 11 percent of Otter Tail Power Co.'s transmission system in order to serve nine of its members in Minnesota and South Dakota. The purchase agreement results in a composite rate rather than individual ones. Otter Tail provides operation and maintenance for the next 30 years.

1987—The FERC approves the use of market-based pricing for transmission transactions that take place in the Western Systems Power Pool bulk power experiment. The experiment contains no guaranteed transmission service provision; service is provided on a voluntary basis at negotiable prices.

1988—Turlock and Modesto irrigation districts in California reach agreement with Pacific Gas and Electric Co. for transmission service that provides the irrigation districts with guaranteed access under a limited contract period at embedded cost rates for firm transmission, limited flexible pricing for coordination transmission and power and severe penalties if PG&E must supply unplanned power.

1988—FERC conditions its approval of a merger between Utah Power & Light Co. and PacifiCorp on an absolute obligation to provide firm transmission services at cost-based rates within a minimum of five years.

Compiled by Larry Bruneel
Staff Engineer
American Public Power Association

cal impediments, that no brownouts will occur," he said.

But, the proposal appears to preserve monopoly power while allowing transmission owners to institute flexible pricing and "we can't support that," Anderson said. ELCON has no problem with PG&E's suggestion that customers pay for capacity upgrades, but any payment by customers must result in a full benefit for the investment, he said.

David Penn, general manager of Wisconsin Public Power Inc. and chairman of the transmission study group that presented a second proposal to FERC, likens the PG&E proposal to those of the playground bullies he encountered as a child. When it was time to decide who would be at bat first in a sandlot baseball game, the bullies would offer to flip a coin, saying: "heads we win, tails you lose."

"That's what PG&E is saying to transmission-dependent utilities," Penn said. (More of Penn's views on transmission are offered in the Omega column on page 64.)

Regional Planning Urged

Penn's Transmission Access Policy Study Group is made up of WPPI, Northern California Power Agency, the city of Geneva, Ill., Michigan Public Power Agency, Indiana Municipal Power Agency, the Public Utility Department of Anaheim, Calif., New Hampshire Electric Cooperative, Riverside, Calif., Oklahoma Municipal Power Agency, the New Orleans Alliance for Affordable Energy and American Municipal Power—Ohio. The group wants FERC to work for policies requiring regional joint planning of transmission and shared use and cost-sharing agreements among transmission owners and users. The shared investment would lead to a long-term goal of joint ownership.

In a 14-page paper presented to the commission in late December, the study group said its proposal has four basic premises: (1) fostering maximum coordination among utilities in the use of existing resources to meet load; (2) establishing the conditions necessary for vigorous competition in development and use of new power supply resources; (3) promoting development by all electric utilities, regardless of size or organizational nature, of new power supplies on a least-cost basis through equal access to potential suppliers; and maintaining diversity in both the size and organizational structure (private, public or cooperative) of the electric utility industry in order to foster innovation and competition.

"Open access transmission for utilities and other power supply entities is an essential requisite for meeting these objectives," the group said. The study group then listed 10 guiding principles for the commission to keep in mind in developing a transmission policy:

- Transmission is a monopoly.
- Transmission is a service separate

Why The Transmission Problem Must Be Solved

In a speech at a Washington, D.C., energy conference last fall, APPA Executive Director Larry Hobart listed 10 reasons why the transmission problem must be resolved:

1. Moving power from areas of surplus to areas of deficit can save money for ratepayers, shareholders and taxpayers by securing useful production from sunk investment and decreasing the need to build expensive new capacity.

2. Sharing of transmission facilities is important to reducing environmental insults, protecting public health, making the most economic decisions on new plant investment, providing fuel diversity, preventing unnecessary duplication, conserving land needed for rights-of-way and protecting consumers against monopoly.

3. Using hydro and nuclear power, which do not produce sulfur dioxide and carbon dioxide that contribute to acid rain and the greenhouse effect, requires transmission to tie large site-specific generating stations to load centers.

4. Equitable access to transmission permits and encourages coordination among utilities which maximizes effectiveness of operation, including economy exchanges, reserve sharing, emergency backup, maintenance power, and time and seasonal diversity arrangements.

5. Establishing rules for more open access to transmission, as opposed to preserving utility cartels, is similar to discarding protectionism and embracing free trade because it fosters keener management.

6. Linking electric utilities in a more effective manner can allow interregional transfers of electricity to help deal with loss of power in a natural disaster, national emergency or foreign embargo.

7. Regional disparity in retail rates (a ratio of 8-1 across the nation) can be reduced to give greater stability to manufacturing and commercial endeavors.

8. Expansion of transmission services would stimulate planning by all utilities to use economies of scale, conserve capital, diversify fuel mixes and spread risks in building new generating capacity.

9. More and better information would be available automatically to regulators, policymakers, utilities and consumers if transmission were treated in a more open manner, and improved judgments on need and method of supply would be available.

10. Improved cooperation in transmission increases utility ability to meet economic and technical demands and decreases the pressure for mergers which result in undesirable concentration of control over a basic energy source.

from power production and distribution.

- Transmission facilities are imbued with the public interest.
- Transmission is a scarce resource.
- Incentive pricing is not likely to avoid transmission bottlenecks.
- Bottlenecks should be eliminated.
- Reliability must not be impaired.
- The current fractured system of ownership and planning is inefficient.
- Single-system planning and operation are feasible and desirable next steps.
- Competitive resource markets require equal transmission access.

"The most efficient development of a rational transmission system to serve the load of all area consumers in a region requires single-system integrated planning and operation based on the needs of all area utilities, including those that are contractually hostage to the owner of the facilities," the study group said. "Single-system planning, together with long-term joint ownership, use and cost-sharing agreements will maximize coordination opportunities with the efficient development and use of a scarce resource. Even more importantly, such single-system planning and operation would eliminate the current incentive of owners of bottleneck facilities not to construct new lines to relieve the bottleneck."

If the commission wants to foster a market-based approach to generation pricing, "there has to be a market in which buyers and sellers can participate in sufficient numbers to provide a reasonably competitive market," the study group said.

Political Opposition Seen

ELCON's John Anderson said the Transmission Access Policy Study Group's proposal is much closer than PG&E's proposal to the transmission policy envisioned by his organization. ELCON's 18 members alone account for 5 of percent U.S. electric consumption. The organization views transmission as a monopoly and an essential service and believes it must remain regulated to prevent monopolistic exploitation. Rates should be based on embedded costs and include a fair rate of return, Anderson said.

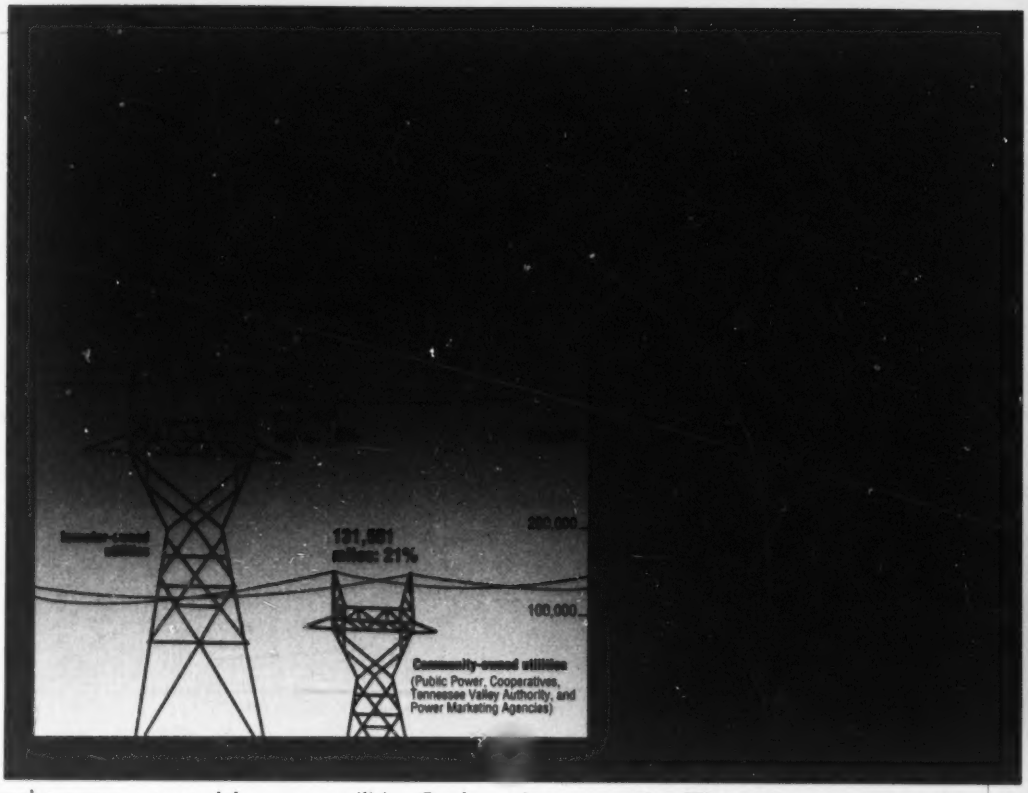
But the pricing ramifications of the study group's proposal appeal to Anderson. If in the long run, the nation has a transmission system characterized by joint ownership, the need for administrative pricing would be greatly reduced, if not eliminated, he said.

"As an owner, you own a proportion of it—and your contract says what proportion you own—and you pay the cost of that system in proportion to your ownership; you don't pay a price for wheeling services. You pay the proportion of the capital costs that represents the amount of capacity that you own on the system and you pay your proportion of energy costs based on the number of kilowatt-hours that are wheeled, so it's a cost-based system which does not rely on coming up with a pricing scheme," Anderson said.

"The PG&E proposal, which maintains monopoly ownership of transmission, makes pricing critical. If you have

monopoly ownership of transmission then, by definition, you must have embedded cost-based rates for any services that any entity wants. However, we all know that transmission pricing is a very tricky business," Anderson said.

"Joint ownership reduces the pressures on pricing while monopoly ownership increases the pressures on pricing. However, joint ownership increases the political opposition, while the monopoly ownership reduces it somewhat, relative to each other. I believe it would require legislation for joint ownership. Obviously, utilities could agree voluntarily to joint ownership, but I just don't believe they will. Transmission represents the crown jewels and the mono-poly owner is not going to voluntarily give up ownership of those crown jewels. The political opposition to legislation that would mandate joint ownership, I think, would be horrendous."



Joint ownership has been tested successfully on a limited basis in New England, where dozens of public, private and cooperative utilities belong to the New England Power Pool, noted John Hughes, ELCON's director of technical affairs. Joint ownership also has worked successfully in Georgia where rural electric cooperative, municipal and investor-owned utilities share ownership of the transmission system.

ELCON's Twist

ELCON's goal is to maintain reliability of power supply and to keep rates low. To meet this end, the group thinks that, given political realities, transmission rates must remain regulated and FERC must exercise its existing authority—which is broader than the commission accepts—to order wheeling. Moreover, applications for wheeling orders should not be restricted to utilities; large industrial customers meeting specific characteristics should be allowed to apply for wheeling orders and be treated the same as utilities. On that point the group is likely to encounter opposition from utilities.

"We are not advocating retail wheeling," Anderson emphasized. "But we are not opposed to it either. We do favor a situation where both utility and nonutility applicants have the ability to request a wheeling order and have that request adjudicated before the appropriate regulatory commission."

New legislation is not necessary to enable the FERC to order wheeling, Anderson said. He believes the commission has broad power under the Federal Power Act as it exists to impose transmission conditions not only in merger applications, but also in rate cases, hydroelectric licenses and elsewhere. The power act's charge to the commission to eliminate discrimination gives FERC a lot of power to condition wheeling, he said.

ELCON would leave it to the regulatory commission—state or federal—to define the limitations that would apply to customers seeking wheeling orders.

"ELCON members would prefer to purchase energy and capacity from the local utility," Anderson said. "However, in far too many situations, the power that is available for purchase is too expensive. There are many reasons why this situation may exist. The electricity may be produced from inefficient generators. The price charged may be greater than the cost of production. Social ratemaking may also exacerbate the situation."

The industrial customer group also believes state regulatory commissions should have authority to order and set rates for intrastate wheeling. Also, ELCON wants the commission to require utilities to publish wheeling tariffs and terms and conditions on a nondiscriminatory basis and to make readily available information on all wheeling orders and transmission tariffs.

FERC: Studying Technical Matters

Commissioner Stalon's staff task force is engaged in a massive self-education effort for now. It has not established a timetable for making any report to the full commission, nor has it been charged with completing any such report. Reinier Lock, an aide to Stalon, said the task force is looking at technical issues so the commission can evaluate effectively the feasibility of various policy proposals. ❑

LaBella is editor and publisher of Public Power.

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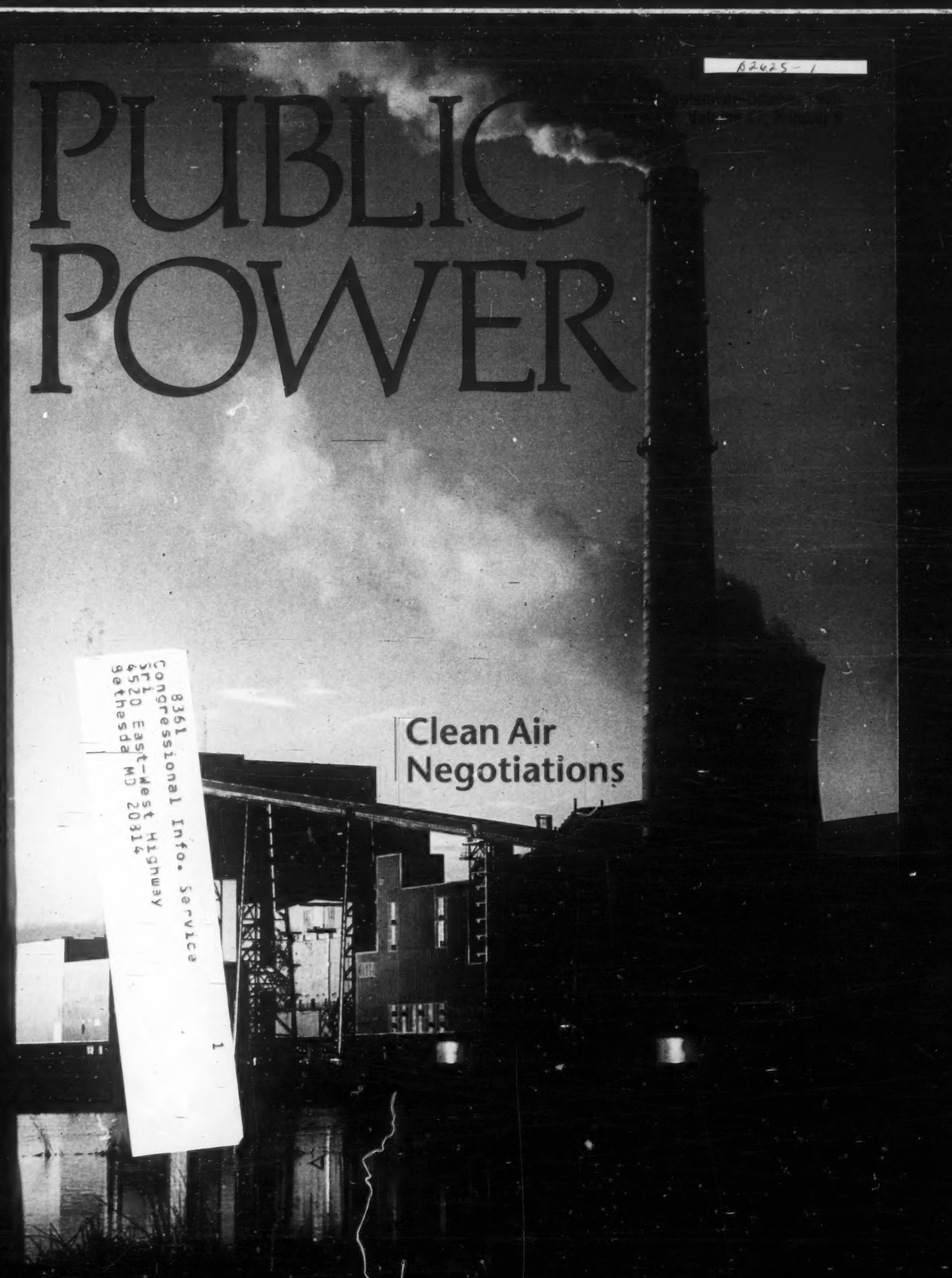

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PUBLIC POWER

September-October 1989
Volume 47, Number 5

Cover: Action on acid rain. See page 14. Photo of the Curtis H. Stanton Energy Center, courtesy Orlando, Fla., Utilities Commission. The 465-MW Stanton plant has an electrostatic precipitator that removes up to 95 percent of the sulfur dioxide created by combustion of the coal. Twenty percent of the plant's $535 million capital cost went for environmental protection equipment. The plant is jointly owned by Orlando Utilities Commission, Kissimmee Utility Authority and Florida Municipal Power Agency.

A vehicle for the '90s. See page 22.

Strategies for building a model utility. See page 44.

FEATURES

14 On Stage: Clean Air. . . . . *by Ruth Gonze*
After years of talk, talk, talk, Congress may finally act on acid rain and other clean air issues.

22 The Decade For Electric Vehicles. . . . *by Lawrence O'Connell*
Growing pressure to reduce air pollutants may help bring electric vehicles into the mainstream of transportation in the 1990s.

27 Public Power Costs Less. . . . . *by Lorel Wisniewski*
Data from nearly every electric utility in the nation show conclusively that customers of public power systems pay substantially less for electricity than private utility customers.

32 Lost No More. . . . . *by Elaine S. Conger*
A North Carolina city utility undertakes a complete overhaul of its operations and confronts future challenges from a position of strength.

34 Free Management Audits For Wisconsin Utilities
A regional accounting firm has a program for strategic planning for city-owned utilities in Wisconsin.

38 You Get What You Pay For. . . . . *by Jacquie Cochran*
It's easier to conserve power when you pay for it up front, say participants in a Florida test of prepaid electricity.

44 Yankee Ingenuity. . . . . *by Jeanne Wickline LaBella*
American Public Power Association President William C. Mescher reveals how he built one of the best little utilities in the country.

DEPARTMENTS

6 Something To Think About
8 Comebacks
10 Chronicle
45 Almanac
46 Innovations
56 Omega

Public Power Costs Less

by Lorel Wisniewski

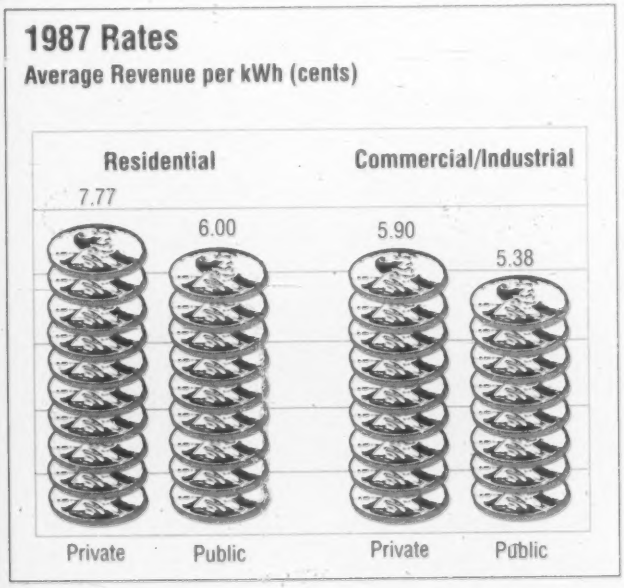
Residential customers of local publicly owned electric systems enjoy average rates 23 percent below the rates paid by residential customers of privately owned electric utilities, according to 1987 data reported by the utilities to the U.S. Department of Energy. In 1987, the average residential revenue per kilowatt-hour (kWh) of sales of public power systems was 6.00 cents, compared to an average rate of 7.77 cents per kWh paid by residential customers of private power companies.

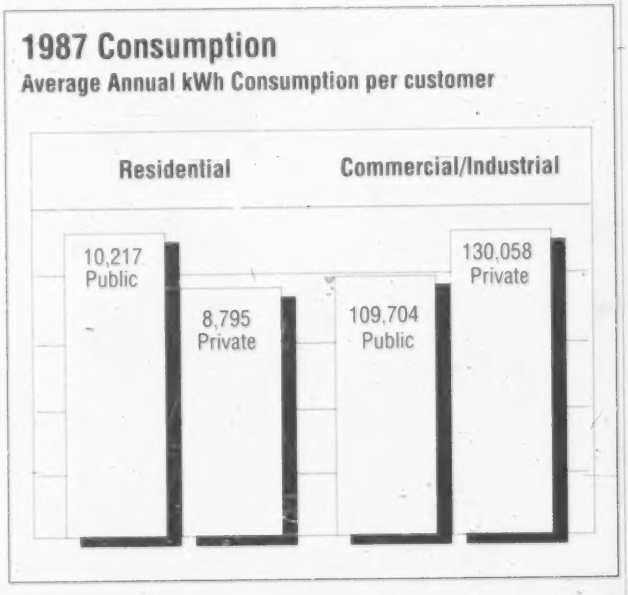
Each year, the data have shown that public power leads the way in providing residential, commercial and industrial customers with low-cost electricity. Statistics presented here are derived from the report, *Financial Statistics of Selected Electric Utilities 1987*, published annually by DOE, and from information reported by utilities to DOE on forms EIA-861 and EIA-412. *Financial Statistics* contains statistical series begun by the Federal Power Commission in 1946. The data consistently have shown that public power costs less.

The 1987 data presented here for rates (average revenue per kilowatt-hour) for residential, commercial and industrial customers of public power systems are based on information reported to DOE by 1,926 publicly owned electric utilities, virtually all of the public power sector. The 1987 statistics on average annual kWh consumption for residential, commercial and industrial public power customers also cover 1,926 utilities, representing a significant change from the 1986 consumption sample, which covered 423 large public power systems. Expense data for public power systems cover 446 of the largest utilities, which represent approximately 88 percent of retail sales in the public power sector. In contrast, 1986 expense data covered 262 utilities, representing 55 percent of sales.

Data for privately owned utilities cover 181 companies, which account for 99 percent of sales by private sector electric companies.

Changes in both the sample of public power systems used in this report and in the sample of utilities reporting to DOE beginning in 1986 necessitate the use of caution when





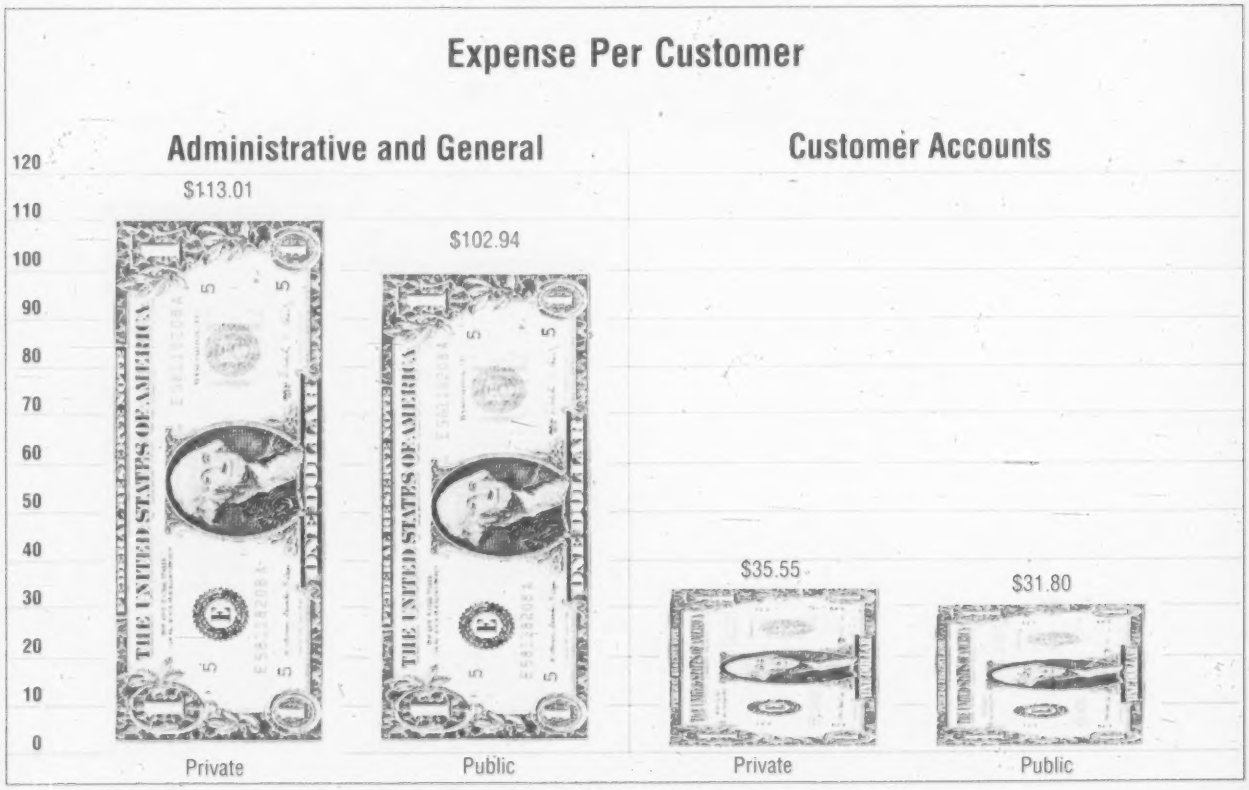
making year-to-year comparisons of public power statistics. Differences between 1986 or 1987 and data for earlier years may reflect changes in the data sample rather than actual trends in the industry.

1.77 Cents Per kWh Difference

In 1987, residential customers of public power systems paid an average of 1.77 cents, or 23 percent, less for each kWh of electricity used than did residential customers of privately owned utilities. This represents little change from 1986, when residential public power customers paid 1.91 cents per kWh, or 25 percent less, than private power customers.

Public power residential customers paid an average of 6.00 cents per kWh, compared to 7.77 cents per kWh paid by residential customers of private utilities. Although the typical residential public power customer consumed 16 percent more electricity in 1987 than its private power counterpart, the lower public power rates resulted in bills averaging 10 percent lower for the public power customers. Annual consumption per customer averaged 10,217

	Sales to Residential Consumers				Sales to Commercial and Industrial Consumers			
	Average Annual kWh Consumption		Average Revenue per kWh (cents)		Average Annual kWh Consumption		Average Revenue per kWh (cents)	
	Private	Public	Private	Public	Private	Public	Private	Public
1946	1,298	1,739	3.29	2.32	28,110	22,473	1.50	1.29
1950	1,767	2,518	2.95	1.99	33,653	25,124	1.54	1.33
1955	2,537	3,824	2.76	1.69	49,038	38,329	1.45	1.19
1960	3,454	5,208	2.62	1.58	61,944	49,421	1.49	1.22
1965	4,618	6,634	2.39	1.53	79,201	66,396	1.40	1.18
1966	4,931	7,007	2.34	1.50	85,265	70,557	1.37	1.16
1967	5,220	7,317	2.31	1.49	89,347	74,373	1.37	1.16
1968	5,706	7,880	2.28	1.47	96,332	79,687	1.36	1.15
1969	6,246	8,546	2.21	1.45	102,965	85,683	1.36	1.15
1970	6,700	9,015	2.22	1.47	107,041	89,653	1.40	1.17
1971	7,039	9,378	2.32	1.56	110,973	92,778	1.50	1.26
1972	7,391	9,630	2.42	1.63	117,793	98,384	1.58	1.31
1973	7,742	10,080	2.54	1.70	124,082	103,785	1.68	1.40
1974	7,550	9,797	3.10	1.94	121,112	102,974	2.19	1.64
1975	7,830	10,125	3.51	2.33	119,381	110,076	2.62	1.97
1976	7,840	9,539	3.78	2.79	125,296	111,414	2.82	2.38
1977	8,256	10,791	4.06	2.79	130,602	124,331	3.12	2.39
1978	8,453	11,383	4.31	3.00	132,610	129,874	3.39	2.65
1979	8,319	10,940	4.64	3.22	133,355	129,342	3.66	2.88
1980	8,531	10,744	5.36	3.77	129,499	124,586	4.38	3.41
1981	8,277	10,391	6.20	4.32	129,022	126,429	5.07	3.88
1982	8,252	10,188	6.83	4.74	122,096	127,807	5.72	4.31
1983	8,366	10,389	7.17	5.03	124,308	126,815	5.79	4.48
1984	8,556	10,344	7.54	5.29	132,214	128,801	5.97	4.62
1985	8,540	10,362	7.80	5.57	130,853	128,097	6.14	4.92
1986	8,608	10,306	7.78	5.87	128,263	121,042	6.08	5.28
1987	8,795	10,217	7.77	6.00	130,058	109,704	5.90	5.38



kWh for public power residential customers in 1987, compared to 8,795 kWh for private power residential customers.

The cost of electricity increased slightly for public power residential customers in 1987, but remained virtually unchanged for residential customers of private power companies. Public power residential rates rose from 5.87 cents per kWh in 1986 to 6.00 cents per kWh in 1987. Private power residential customers saw almost no change in their average rate, which was 7.78 cents per kWh in 1986 and 7.77 cents per kWh in 1987.

Commercial and industrial customers of public power systems paid 9 percent less for electricity than private power commercial and industrial customers. Public power commercial and industrial customers paid 5.38 cents per kWh in 1987, compared to 5.90 cents per kWh for commercial and industrial customers of private power companies. Annual consumption by this customer class averaged 109,704 kWh for public power systems and 130,058 kWh for private power companies in 1987.

Managerial Costs Lower

Public power systems continue to keep managerial expenses lower than those of privately owned utilities, indicating greater managerial efficiency. Administrative and general expenses of public power systems averaged $102.94 per customer, compared to $113.01 per customer for private power companies. On a per-dollar-of-revenue basis, administrative and general expenses reported by the public systems were $6.29 per $100 of revenue versus $6.48 for private companies.

Customer accounts expenses for 1987 averaged $31.80 per customer for publicly owned systems compared with $35.55 for private utilities.

Production expenses for public power systems were 29.0 mills per kWh sold in 1987 compared with 26.8 mills for private companies. Production expenses include the cost of purchased power.

Distribution expenses were $73.77 per customer for public power systems and $63.25 per customer for private utilities. Transmission expenses averaged 1.3 mills per kWh for public systems, and 0.7 mills for private power companies.

These statistical reports show that in 1987, as in the previous four decades, local publicly owned electric utilities led the privately owned electric systems in providing economical electric service to their customers. ❑

Lorel Wisniewski is an economist on the staff of the American Public Power Association.

Expense Items*

	OPERATIONS						MANAGERIAL			
	Production Per kWh sold (in mills)		Transmission Per kWh sold (in mills)		Distribution per customer (in dollars)		Customer Accounts Per Customer		Administrative and General Per $100 Revenue	
	Private	Public	Private	Public	Private	Public	Private	Public	Private	Public
1946	4.35	4.30	.27	.14	$9.37	$9.19	$3.73	2.82	$7.22	$6.11
1950	4.96	4.86	.26	.13	12.04	11.77	4.44	3.35	7.90	6.85
1955	4.42	4.68	.26	.13	14.18	13.79	5.33	4.00	6.73	6.59
1960	4.20	4.70	.25	.15	16.19	10.24	6.38	4.94	6.29	6.31
1965	3.98	4.34	.21	.15	17.48	17.93	7.06	6.15	6.23	5.80
1966	4.01	4.36	.21	.16	17.84	18.54	7.18	6.13	6.00	5.84
1967	4.03	4.31	.21	.15	18.67	19.37	7.34	6.48	5.87	6.25
1968	4.09	4.16	.21	.15	19.31	20.43	7.68	6.78	5.70	6.10
1969	4.21	4.23	.22	.13	20.56	22.88	8.11	7.36	5.74	6.08
1970	4.76	4.61	.23	.15	22.14	24.15	8.86	7.98	5.87	6.25
1971	5.49	5.25	.24	.16	22.82	25.41	9.61	8.77	5.84	6.06
1972	5.97	5.71	.25	.16	24.13	26.02	10.31	9.18	5.88	5.96
1973	6.70	6.47	.26	.17	25.52	27.53	11.33	9.55	5.78	5.79
1974	10.72	8.01	.29	.18	26.46	29.98	13.26	10.61	5.19	5.65
1975	12.70	9.35	.31	.21	27.63	31.78	15.25	12.33	4.98	5.14
1976	13.73	12.04	.34	.29	29.51	34.18	16.34	14.50	4.99	5.09
1977	15.87	13.28	.35	.54	31.76	33.78	17.17	12.75	4.94	4.68
1978	17.27	14.37	.37	.64	34.81	35.94	18.59	15.87	5.11	4.64
1979	19.69	16.32	.40	.67	37.68	38.17	20.25	16.41	5.21	4.24
1980	24.14	20.16	.43	.68	41.90	44.83	22.51	18.40	5.08	4.45
1981	27.89	23.53	.48	.81	45.19	48.97	25.82	20.87	5.05	4.22
1982	29.00	24.64	.56	.86	50.62	53.80	28.97	23.33	5.42	5.17
1983	28.55	25.85	.60	.92	54.06	57.36	30.08	24.47	5.57	5.19
1984	29.20	26.26	.64	.95	57.71	59.43	31.82	25.16	5.54	5.69
1985	29.52	28.91	.69	1.01	60.53	62.04	33.31	26.02	5.85	5.51
1986	27.26	30.47	.72	1.79	60.97	73.16	34.86	29.01	6.27	6.01
1987	26.84	29.02	.73	1.30	63.25	73.77	35.55	31.80	6.48	6.29

* Data for 1986 and 1987 are not comparable with previous years. The 1986 and 1987 data for public power systems reflect expanded coverage of utilities, with adjustments to increase comparability between private and public systems.

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Weathering The Storms In A Warming World

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PUBLIC POWER

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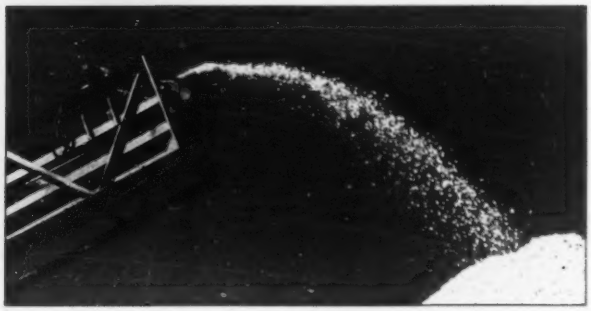
Cover: Has the warming begun? Article beginning on page 14. *Photograph by Imtek Imagineering/Masterfile.*

Looking up for savings. See page 32.



A renewable with vast unrealized potential. See page 36.

Hot dark days in Seattle. See page 44.

FEATURES

14 Weathering The Storms In A Warming World ..... *by Irving Mintzer*
Mild winters, scorching hot summers and endless headlines about the greenhouse effect: what do they mean for public power systems?

22 Lincoln's Power Sage: An Optimist For Our Time
Electric utilities are entering an era of declining costs, a factor that enables them to confront problems in a positive way, says the president of the American Public Power Association.

24 Efficiency: Defense Against The Long Hot Summer ..... *by James L. Wolf*
Achievement of energy savings derived from greater efficiency will hinge on utility initiatives.

32 Lighting City Hall ..... *by Jill Kunka*
A lighting retrofit program in Springfield, Ill., nets savings of $40,000 a year and has a payback of less than five years.

36 Wood: Power For The Future ..... *by David C. Rinebolt*
Wood energy has not lost its charm or its promise.

44 Blackout In Seattle ..... *by Jeannine Anderson*
The outage that started on the last day of August lasted for four days and hit the heart of Seattle's business district.

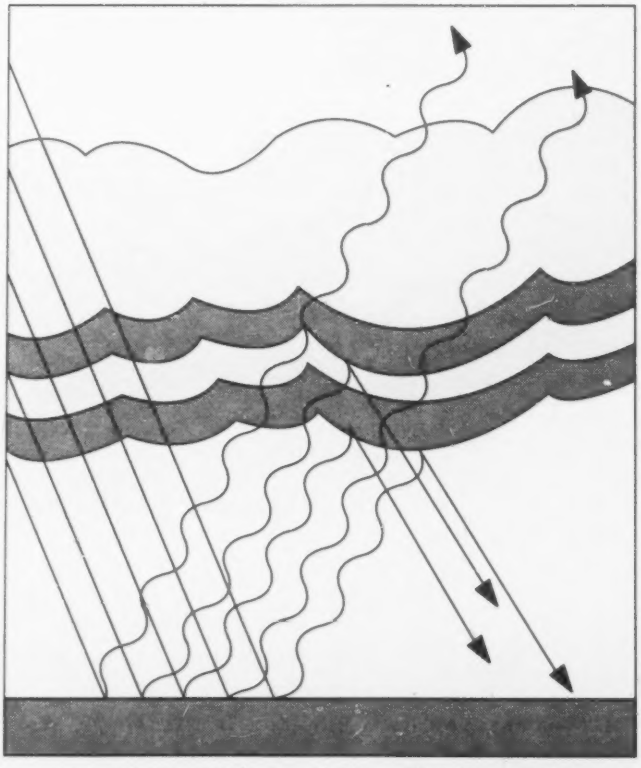
48 Performance Management ..... *by Bob Sherron*
Utilities need to take a systematic approach to improving organizational performance.

DEPARTMENTS

6 Something To Think About
8 Chronicle
50 Innovations
53 Monograph
56 Omega

Weathering The Storms In A Warming World

by Dr. Irving Mintzer



Looking out their windows during the last two years, many public power customers felt sure there was something weird about the weather. Trumpeted by headlines in newspapers and magazines, episodes of unusual and extreme weather were reported around the country. Last year Americans experienced the warmest winter in a generation in the upper Great Plains. This summer, when the jet stream divided in an unexpected way over the Midwest, hot, dry weather baked the region, burning up corn and soybeans. At the same time, a near-record string of 21 days with temperatures above 90 F struck Washington, D.C., slowing government bureaucracies to a crawl. By late August, near droughts in Wyoming, Idaho, Montana and California, had produced ideal conditions for forest fires. Subsequent fires, started in some cases by lightning and in others by careless campers, destroyed large areas of parkland in three states. In early September, the "storm of the century" swept across the Caribbean and slammed into south Texas and Mexico.

Similar events struck with catastrophic results in other countries during the same period. In 1987, a heat wave killed 1,200 people in Greece. In 1988, heat waves and a late monsoon led to hundreds of deaths in India. This spring drought struck again in South and East China. In the Sudan, two years of drought ended in August when one year's worth of rainfall fell in three days, leaving 1.5 million people homeless. In September, the worst flood of the century inundated Bangladesh, causing billions of dollars worth of damage.

No one really knows why such events occur or where they will strike next. Lately, however, much scientific attention has focused on the question of whether human-induced changes to our atmosphere could alter global climate and increase the frequency of these natural disasters.

Scientists now know that certain industrial and agricultural activities, including the burning of fossil fuels and the clearing of lands for pastures, release pollutants that alter the heat

balance in the atmosphere. The principal pollutants, called greenhouse gases, include carbon dioxide (CO_2), methane (CH_4 or natural gas), nitrous oxide (N_2O or "laughing gas"), and the chlorofluorocarbons (CFCs or "Freons"). All are transparent to incoming solar energy but absorb the infrared energy released by the Earth's surface. These trace gases are present in the atmosphere in only minute quantities (from less than one part per billion in air for the CFCs to a few hundred parts per million for CO_2). Nonetheless, they can trap substantial quantities of heat close to the plant's surface and warm the atmosphere.

This "heat trap" effect has not always been a problem for our planet. In fact the natural greenhouse effect, due to background concentrations of CO_2 and water vapor (H_2O), was essential to the evolution of life as we know it. In prehistoric times, these background concentrations warmed Earth's surface by about 55 F, from about 0 F to the preindustrial average of about 55 F. This warming effect allowed water to exist at the surface as a liquid, rather than as ice, and thus created conditions where the rich biochemistry of modern life could develop.

Only in the last century has the greenhouse effect of the last two million years become today's greenhouse problem. The continuing buildup of greenhouse gases is altering the composition and behavior of the atmosphere.

Has The Warming Begun?

A recent analysis of more than 120,000 temperature measurements indicates the planet has already warmed by about 1 to 1.4 F during the last 100 years. Computer models of greenhouse gas emissions during this period, however, suggest that the full effect of past emissions has not yet been felt. The ocean, with its large thermal mass, acts like a flywheel in the planet's climate system. The ocean's ability to absorb heat introduces a lag between the time that greenhouse gases are emitted and the date when the increased temperature can be measured. When the full effects of emissions prior to 1980 can be measured (perhaps by the year 2000), current computer models project that the Earth's average temperatures will have increased by 1.5 to 4.0 F, relative to the preindustrial era.

The warming of the Earth due to these past emissions cannot now be avoided. Over a few decades, this warming will change the planet's average temperature and alter regional climates at a pace not experienced for millennia. For comparison, a warming of just 4 F will make the Earth warmer than at any time since the beginning of written human history. Of course, this does not mean that humans cannot survive such a climate change; it just means that we cannot look back and learn from historical records about the successful (or unsuccessful) adaptations of our ancestors.

The activities that produce greenhouse gases also emit the pollutants that lead to ground-level air pollution and acid deposition. Electric utilities will have to cope with society's simultaneous (or worse, serial) responses to all three problems.

But future warming will not be limited to the effects of past emissions. Choices made today about energy policy, utility operations, land use and agriculture will affect the rate of future greenhouse gas emissions. These in turn will determine the timing and severity of future global warming. And because we share our one atmosphere with neighbors the world around, not only American choices, but those made in Western Europe, Japan, the Soviet Union, China and other developing countries will affect the rate of future warming.

If current trends in the greenhouse gas emissions continue, the planet will warm by an additional 1.5 to 5 F by 2030, relative to 1980. This represents a total warming of 3 to 9 F above the pre-industrial level.

Impacts Of A Global Warming

The long-term effects of the greenhouse gas buildup will be complex and pervasive. Most scientific analysis of these impacts is benchmarked to a warming of 3 to 9 F. Due to the melting of small, landed glaciers and the thermal expansion of ocean water, such a warming will cause global sea levels to rise by about one to four feet. This rise will cause coastal inundation in low-lying areas as well as saltwater intrusion into aquifers and river systems.

It will change the temperature gradient between the poles and the equator. The greenhouse warming at high latitudes is expected to be two to three times the global average, while the warming in the tropics will be only 50 to 75 percent of the global average. As a result of this shift in the Earth's temperature gradient, the traditional regional patterns of winds, rains and ocean currents will shift. Although total rainfall around the globe will increase slightly, mid-continent, mid-latitude areas (like the U.S. Midwest, the Soviet grain belt, and the prime agricultural areas of China) are likely to become hot and drier, especially in summer.

In addition, many scientists expect the frequency and severity of extreme weather events to increase. The 50-year flood in many areas may become the 20-year flood. The 100-year storm may become the 50-year storm. And the probability of long stretches of dry, hot weather (and cold, wet weather) is likely to increase. Although the unusual weather of the last two years is not necessarily due to the greenhouse problem, it is representative of the very kinds of

events that are likely to occur with increasing frequency as the world warms.

Implications for Electric Utilities

The impact of a greenhouse warming on electric utilities will be profound. On the demand side, as traditional patterns of regional climate shift, the difficulty of accurately predicting the patterns of future weather-related load will increase. Some high probability impacts can, however, be identified today. More hot, dry weather in the United States will mean increased summer air conditioning loads. It will probably also increase demands for agricultural pumping to protect crops from drought.

Winter-peaking utilities also may confront increased risk of capacity shortage. If the frequency of extended cold snaps and blizzards increase with global warming, it may cause more high demand episodes in winter. More severe winter storms may cause an increase in customer outages due to downed power lines and other failures of the distribution system.

On the supply side, the effects will be equally important but may be more indirect. Long periods of warm summer weather may cause air pollution episodes that require regulatory authorities to limit utility dispatch strategies. Such episodes caused southern California authorities to require fuel-switching by utility generators last summer.

Droughts also may affect utility supply options. Changes in streamflow patterns adversely affected the operations of several nuclear and coal generating stations last summer. In one case, high input water temperatures threatened to close a nuclear station because the water temperature would have exceeded the design limits for the plant's emergency core cooling system. In other cases, low streamflows meant reduced volumes of cooling water available to the nuclear stations. Operating the plants in these conditions threatened downstream aquatic life—in one case from excessively high outlet water temperatures and in another from insufficient flow to support critical habitat areas explicitly protected by the terms of the plant operating license. These latter types of problems could in the future afflict coal plants as well as nuclear stations.

Painful Linkages

Unfortunately, the situation is likely to be substantially worse than this sketchy description suggests. At the same time that societies and ecosystems are struggling to adapt to the impacts of climatic change, other, equally different stresses must be confronted. The same greenhouse gases that lead to global warming and climatic change also increase the risk of stratospheric ozone depletion. The activities that produce greenhouse gases also emit the pollutants that lead to ground-level air pollution and acid deposition. Electric utilities will have to cope with society's simultaneous (or worse, serial) responses to all three problems.

Even if we could afford to pay for them, on the time horizon of interest to policy, it is unlikely that nuclear generating stations, with their 10-year lead times, could be built in America fast enough to reduce the rate of U.S. greenhouse gas emissions.

The problems of global climate change, ozone depletion and ground-level air pollution are linked at several levels. These problems are linked economically because the same economically important activities generate the pollutants that cause all three problems. They are linked chemically because the pollutants interact in the atmosphere, often in complicated and synergistic ways. And they are linked at the policy level because policy choices made to reduce or mitigate any one of these problems will unavoidably affect the other two.

The last element is the most important for utility planning. Unfortunately, its implications are most often overlooked. For example, flue gas desulfurization devices (popularly known as scrubbers) are designed to reduce stack gas emissions of SO_2. Depending on the region, use of these devices may ultimately reduce acid rain damage. However, because they reduce the efficiency of coal-burning power plants, scrubbers are likely to increase emissions of both CO_2 and N_2O. As a result, unless electricity demands on the affected power plants are reduced, installation of scrubbers will increase the risk of both global warming and ozone depletion.

The damages from stratospheric ozone depletion will be largely due to the resulting increases in harmful ultraviolet radiation. Exposure to this radiation will endanger human health and reduce the productivity of forests, fisheries, and agricultural areas. The most important human health effects will likely include increased frequency of skin cancer, eye cataracts, and diseases of the human immune system.

The impacts of ground-level air pollution and acid deposition will include reduced forest and crop yields, damage to streams and lakes, and rapid degradation of polymeric materials. In addition, the buildup of oxidants and particulates is likely to increase the damage to human respiratory systems.

The timing and severity of all three problems will be determined largely by the energy policy choices implemented over the next several decades. If national governments (and electric utilities) choose energy supply strategies that increase the use of coal, ignore opportunities to improve energy efficiency, and reduce sulfate emissions while increasing other pollutant releases, we will accelerate the onset of

global warming due to the greenhouse effect. In one recent study conducted at the World Resources Institute in Washington, a computer simulation of the effects of various policy options indicated that a high-coal, high-energy strategy could push up the timetable of the 3 to 9 F warming now expected in 2030 to 2010 or 2015. By contrast, a policy strategy that emphasized increased energy efficiency, reduced use of coal, and limits on tropical deforestation could postpone the 3 to 9 F warming out well beyond 2075.

Can A Catastrophe Be Avoided?

The global climate is changing. Past and present emissions assure that it will continue to change. At a 1985 meeting on future climate change jointly sponsored by the United Nations Environment Program, the World Meteorological Organization, and the International Council of Scientific Unions, 80 scientists from 29 countries issued an unusual warning:

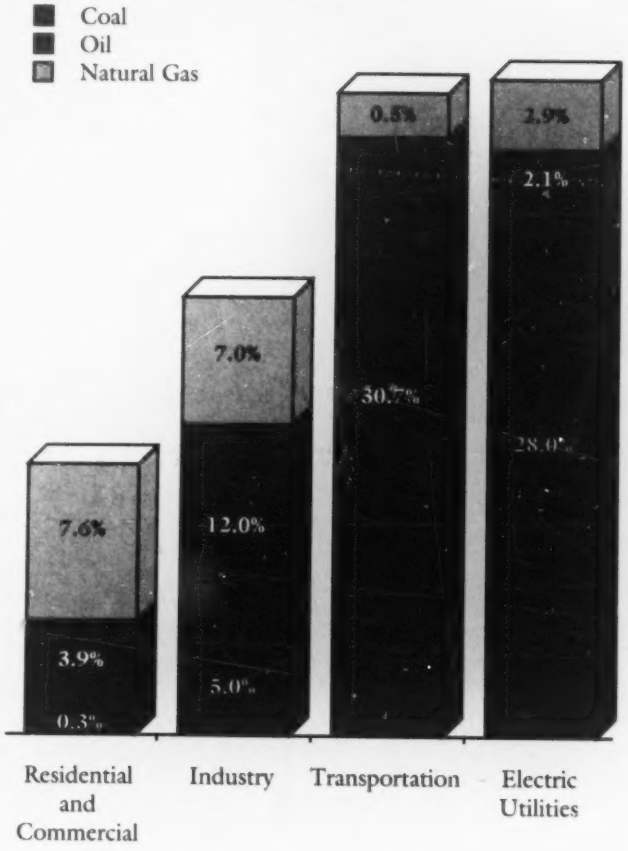
Many important economic and social decisions on irrigation, hydro power, agriculture, structural design, and energy planning are being made today based on assumptions about future climate and sea level rise. Most such decisions assume that past climate is a reliable guide to the future. This is no longer a good assumption.

The challenge for utility planners and government policy analysts is to choose strategies that can slow the rate of climate change while preserving the prospects for economic growth. Slowing the rate of climate change will buy time—time desperately needed to develop adaptive responses to those climatic changes that can no longer be avoided. If this opportunity to develop resilient and robust responses is exploited, the disruption and dislocation caused by future climate changes can be minimized.

From a public policy standpoint, there are four essential elements of any successful national strategy to reduce the risks of rapid global climate change. The first, and most important, element is to increase the efficiency of energy use, squeezing the most useful work out of every pound of coal or barrel of oil we burn. Second, we must reduce the biotic contribution to greenhouse gas emissions by slowing the rate of tropical deforestation. Third, the use of the most dangerous chlorofluorocarbons must be eliminated. And fourth, especially in industrial countries, we must shift the mix of fuels from carbon-intensive fuels like coal to less carbon-intensive fuels like natural gas. Ultimately, of course, we must build our energy economy on sources like solar, wind, biomass, hydro, and nuclear power—which have little or no net emissions of CO_2.

Utilities play an important role in this equation. The United States emitted about 28 percent of the CO_2 released worldwide from fossil fuel combustion. U.S. electric utilities were the source of about one-third of the U.S. emissions. Many technical and policy options now exist for reducing those emissions. The most attractive are those that have multiple benefits, that can reduce the risk of global warming at the same time that they reduce the risk of ozone depletion and acid rain.

CARBON DIOXIDE EMISSIONS IN THE U.S.
USERS AND FUELS



*Source: Dr. James MacKenzie, World Resources Institute

Increased Efficiency Is Key

The key for industrial countries is to increase the efficiency of energy use, especially electricity. Utilities can be absolutely pivotal to these efforts. But achieving them may require that utilities change the view they take of their own role.

Improving energy efficiency is the cheapest, safest, and fastest way for utilities to increase the level of energy services provided to customers. As many utilities from California to Maine have discovered, it is cheaper to avoid adding a kilowatt of new capacity than to build one. Through energy audits, appliance rebates, free distribution of high-efficiency lightbulbs, and other demand-side programs, U.S. utilities are reduc-

ing the rate of growth in electric energy demand. These efforts must be expanded and enhanced. To encourage these efforts, state utility regulators should treat investments in energy efficiency just like any other investment that is used and useful. Utilities must be allowed to include such investments in their rate base.

In addition, state regulators should encourage active conservation programs by offering preferential rate-of-return treatment for utilities that make a good-faith effort to maximize the efficiency of energy use in their service territory. On the other hand, regulators should refuse to approve applications for any new generating capacity until a utility has demonstrated that it has already made all the available cost-effective investments in efficiency improvements.

Improving efficiency is necessary but not sufficient to reduce the risk of future global warming. Even with maximum feasible investments in energy efficiency, as plants wear out, some new capacity will be necessary. It is important that utilities aggressively pursue the supply-side options that can reduce future emissions of greenhouse gases.

In evaluating these options it is important to note that not all fossil fuels contribute equally to this problem. Burning oil releases about 50 percent more CO_2 per unit of heat supplied than does burning natural gas. Burning coal in a conventional steam turbine releases about twice as much CO_2 per unit of energy as does natural gas. Burning synthetic fuels derived from coal releases still greater quantities of CO_2. (See table.)

But the important technological opportunities on the supply side go beyond fuel switching. Conventional combustion technologies including coal-, oil-, and nuclear-fired steam turbines all operate at about 33 percent efficiency. Conventional gas turbines perform in the same range. Advanced combustion systems offer significant performance improvements. Integrated gasification and combined cycle systems offer the promise of conversion efficiencies in the range of 40 percent.

Aeroderivative gas turbines including steam-injected gas turbines and inter-cooled, steam-injected turbines promise both low cost (less than $500 per kw) and high efficiency (greater than 45 percent). This performance can be achieved in small, modular units of 10 MW to 100 MW. Commercial-scale demonstrations of these devices within the operating environment of an integrated electric utility could prove critical to reducing future greenhouse gas emissions and to opening a new export market for U.S. industry.

CARBON DIOXIDE EMISSIONS FROM DIRECT COMBUSTION OF VARIOUS FUELS

Fuel	CO_2 Emission Rate (kg C/10^9J)	Ratio Relative to Methane
Methane	13.5	1
Ethane	15.5	1.15
Propane	16.3	1.21
Butane	16.8	1.24
Gasoline	18.9	1.40
Diesel Oil	19.7	1.46
No.6 Fuel Oil	20.0	1.48
Bituminous Coal	23.8	1.73
Subituminous Coal	25.3	1.87

Source: Dr. Gordon MacDonald, MITRE Corp.

Light-Water Reactors: The Solution?

The need to reduce CO_2 emissions has led many to suggest that nuclear power is the solution to the greenhouse problem. Conventional light water reactor technology unfortunately brings with it environmental risks that, compared with the problems of a greenhouse warming, are every bit as difficult to control and equally long-lasting. Although light water reactors are likely to play a continuing role in the global energy economy for many decades, it is unlikely that these machines will (or could) make a major contribution to solving the greenhouse problem. Because of their cost, it is unlikely that new nuclear plants could reduce future emissions at anywhere close to the price of energy saved from improvements in energy efficiency. Even if we could afford to pay for them, it is unlikely that nuclear generating stations, with their 10-year lead times, could be built in America fast enough to reduce the rate of U.S. greenhouse gas emissions. If the network of light water reactors could be expanded fast enough to reduce significantly the rate of future greenhouse gas emissions, the social challenges of operating the system safely would remain overwhelming. The combined management challenges of ensuring perfect performance by human operators and protecting society from the diversion of radioactive material by terrorist groups make a rapid expansion of nuclear power pretty dicey.

The Way Out

Fortunately, it is not necessary to depend on nuclear power to avoid the dangers of rapid climate change. By aggressively pursuing energy efficiency, limiting tropical deforestation, eliminating the most dangerous CFCs, and shifting back in the United States toward increased use of natural gas and renewables, we can buy time for ourselves and our neighbors around the globe. As the world warms during the coming decades, we can, if we choose, develop adaptive responses to the unavoidable aspects of global warming. Reducing the risks to an acceptable level on a global scale will require international cooperation and technology transfer in an unprecendented scale.

Unfortunately, or fortuitously, we have only one atmosphere. To preserve its integrity for our grandchildren will require a new way of thinking by politicians, scientists and utility officials. Time is running short. But, to a large extent, our fate is in our own hands. ❑

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